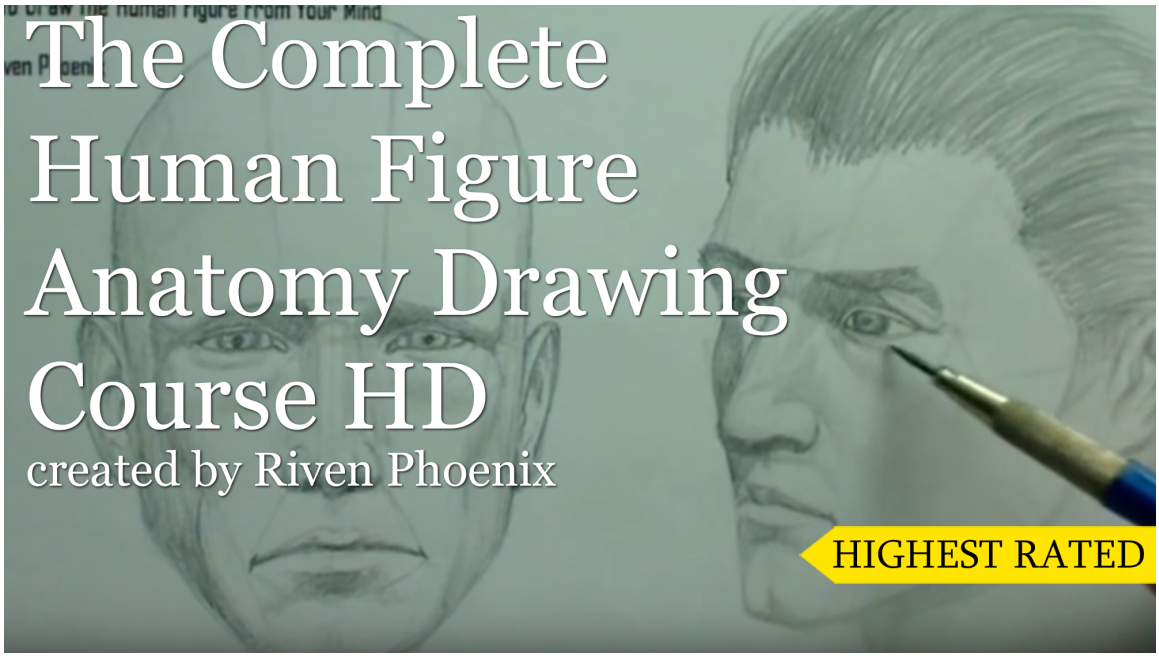

The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

www.alienthink.com

Figure Drawing Lesson 020 - Formulas for Front View of Chest Cavity

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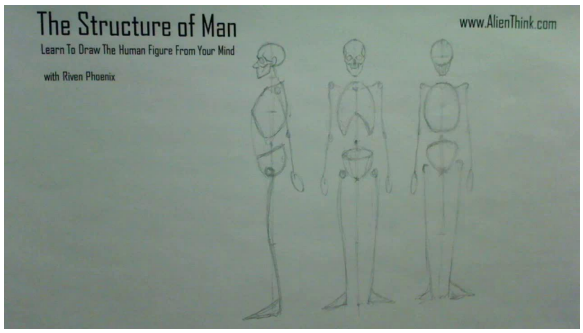
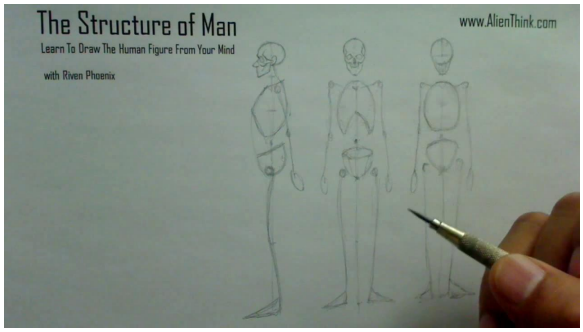
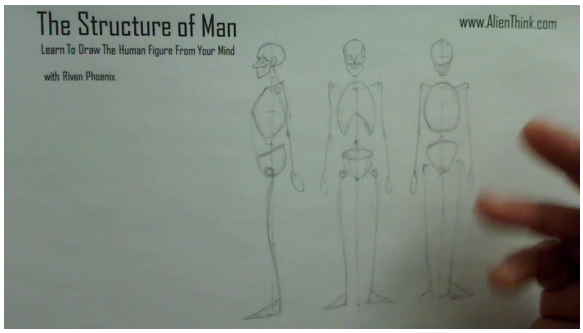
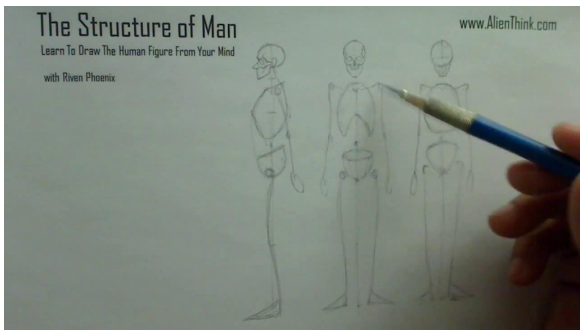
1		Hey guys, my name is Riven Phoenix and welcome to the Structure of Man, Learn to Draw the
2		Human Figure from your Mind Training Course.
3		Okay, so in the previous lesson where we left off, here we had proved the concepts that
4		the tool kit, we could use the tool kit to lay out a figure and then on top of it we

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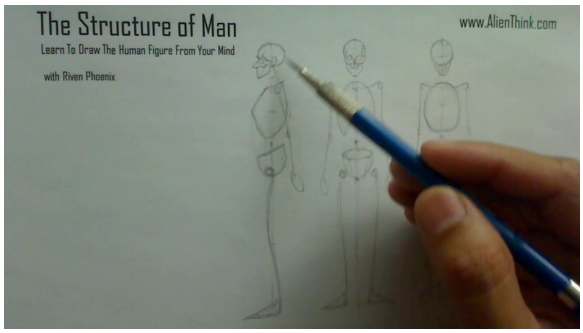
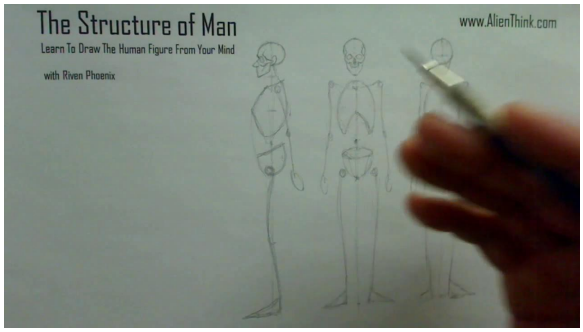
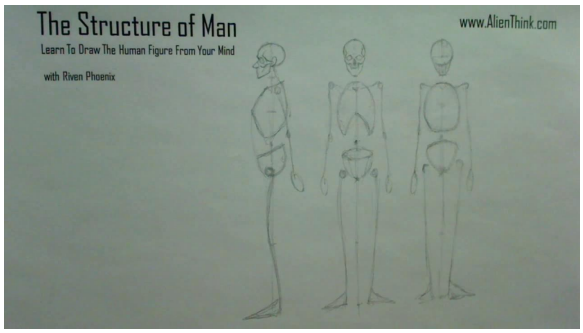
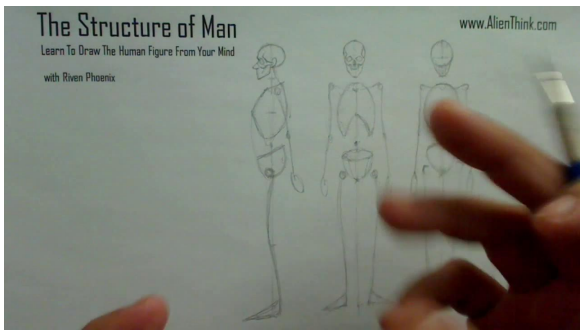
5		were able to from memory draw out the skull in all these different views, right?
6		So the proof of concept is that it's obviously working because you can see it also on your
7		paper, right?
8		So this again, as I had mentioned, this really gets into us to why this is happening in

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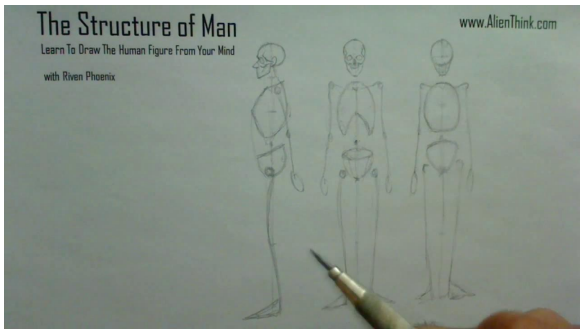
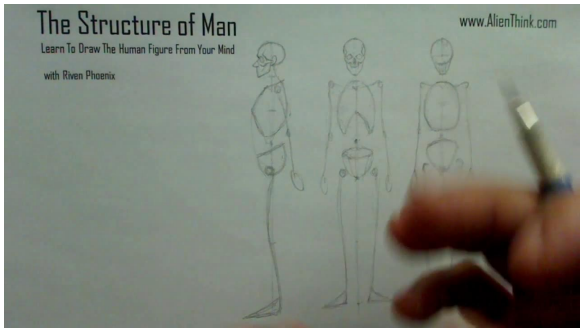
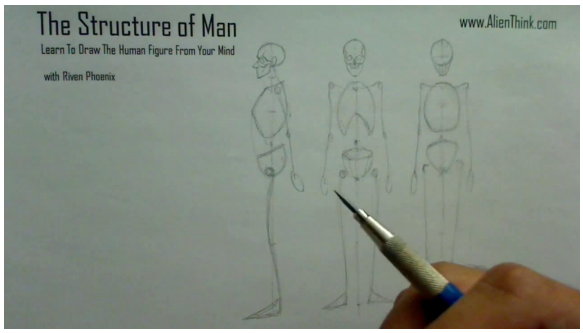
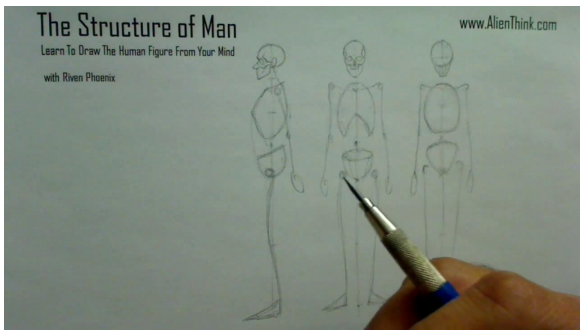
9		the mind is because it has to do with the peg system of memory management.
10		The peg system is basically like how we learn how to talk and language and things around
11		this, right?
12		So for example, the most basic concept of this, if you take an apple, right?

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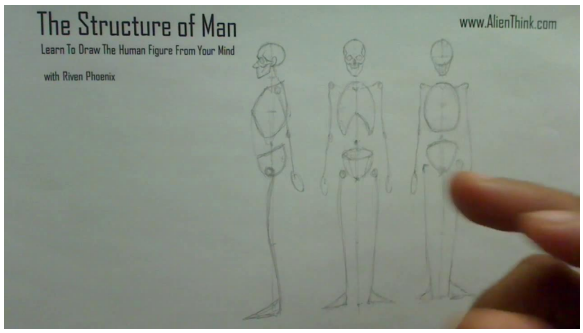
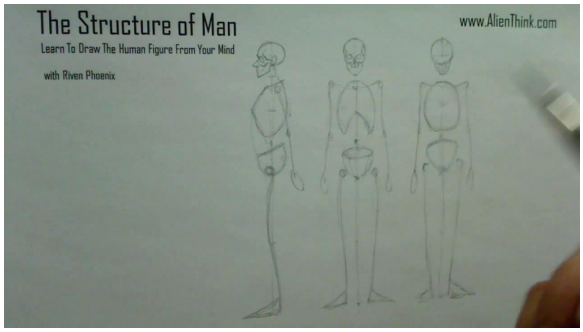
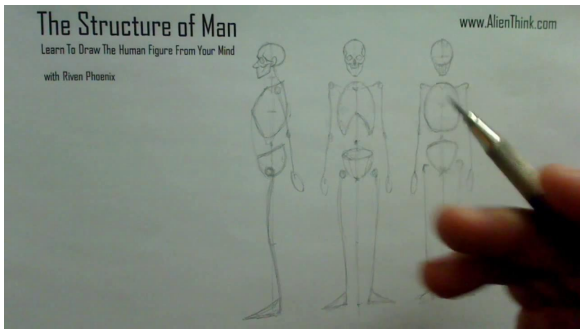
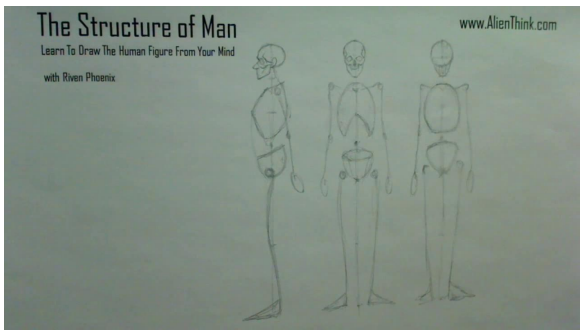
13		We know that the letter A is for the visual concept of this object called the apple, right?
14		But to pronounce the A, we know the design of the letter is A, but then we have to also
15		understand where does that letter live inside the throat, right?
16		How to move them out, right?

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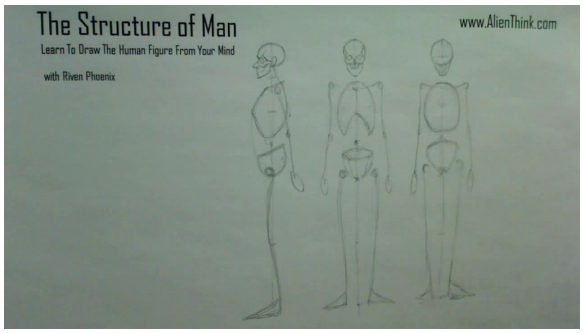
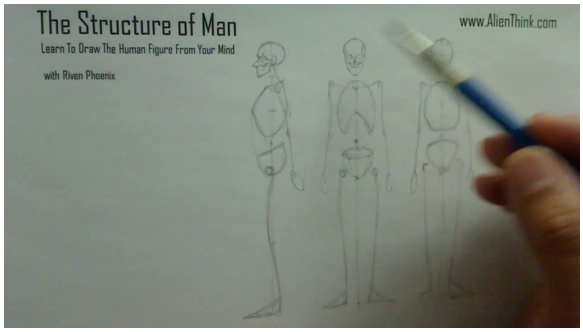
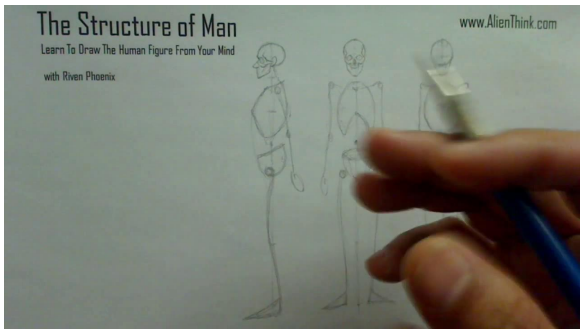
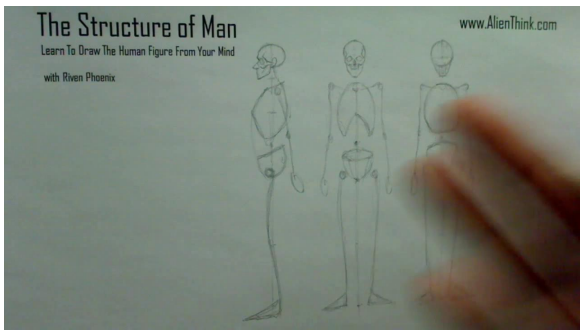
17		So all these concepts are learned approaches that are thought, but it is to do with these
18		visual images that allow us to be able to memorize these concepts, right?
19		This is why regardless of if you look at all the different objects in the grocery store,
20		we can just look at them and we can, we just know, but then by heart, because we, in the

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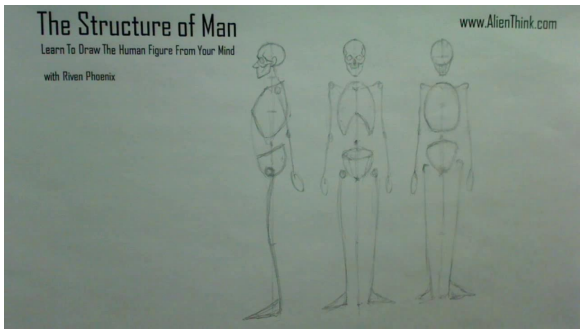
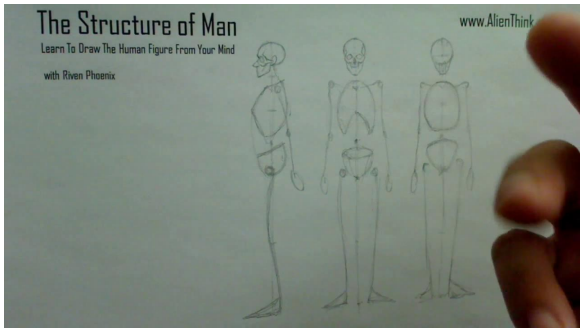
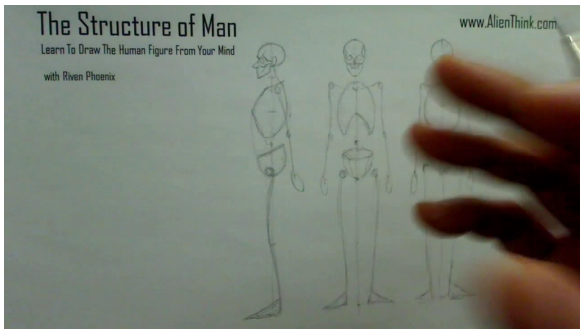
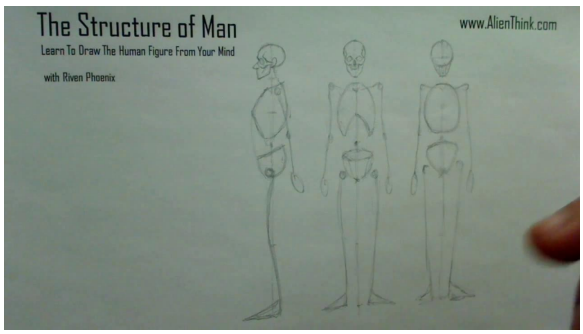
21		concept of how the brain handles memory, we are able to understand those concepts, right?
22		So the other way of looking at it is just like looking at clouds, right?
23		If you look at the clouds and sometimes you see a shape, you can see the head that looks
24		like a rabbit, but that really, it's obviously not there, but we can see these concepts even

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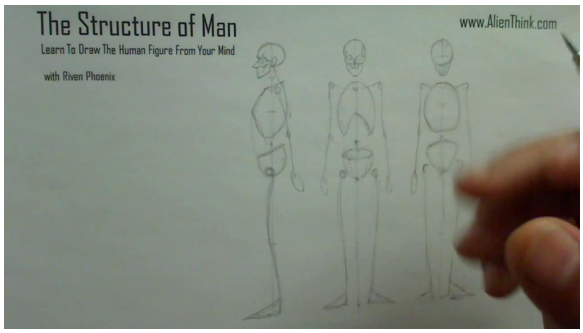
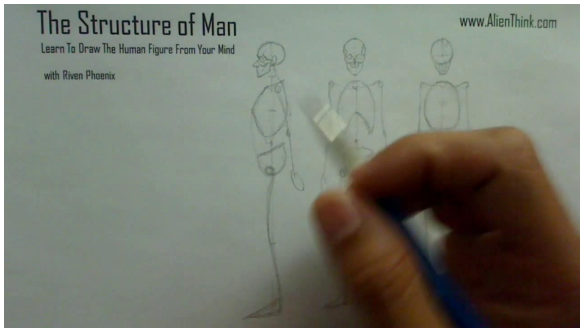
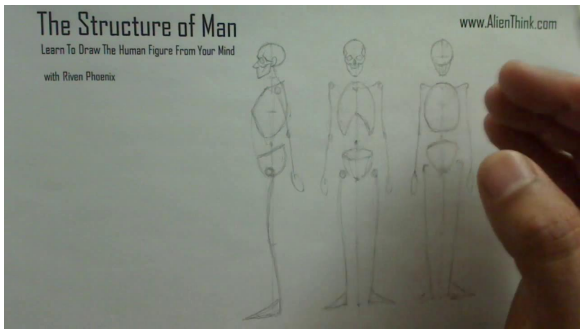
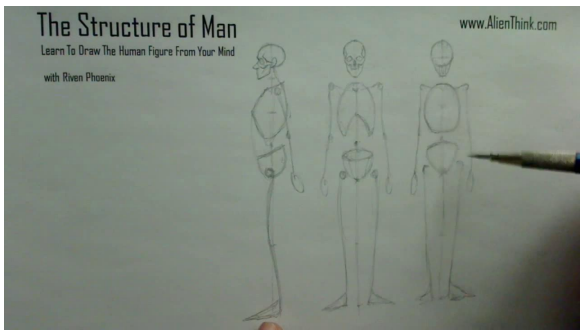
25		like in the floor tiles, so where they have these odd collages, right?
26		So what I'm getting at is that the reason these concepts, the proof is on paper that we
27		know it's working is because how we are linking the idea of teaching the mind, the concept
28		of figure drawing by this idea of invention, right?

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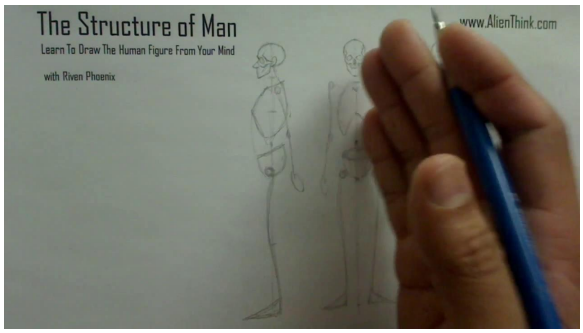
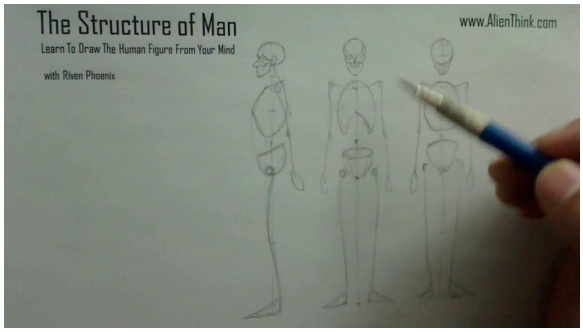
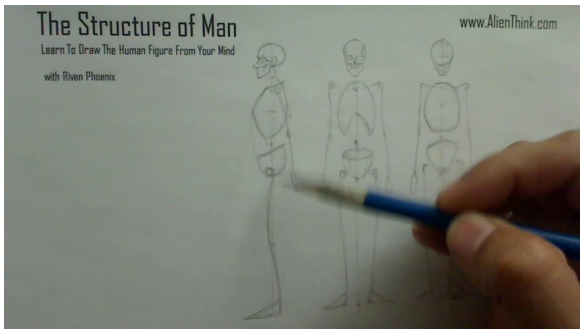
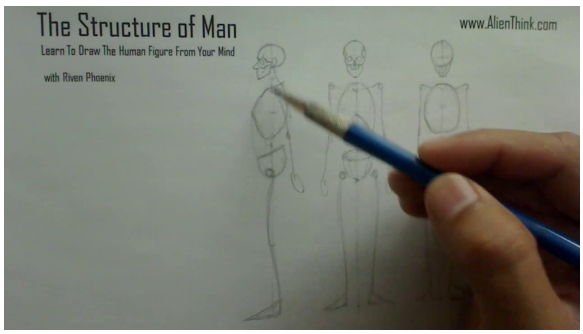
29		We started out with the concept of invention that we created these blueprints and from
30		within it, we linked it to then understanding the idea of the human skull, so when now
31		when we draw it, there is a history behind it as to I remember the experience of going
32		through it, right?

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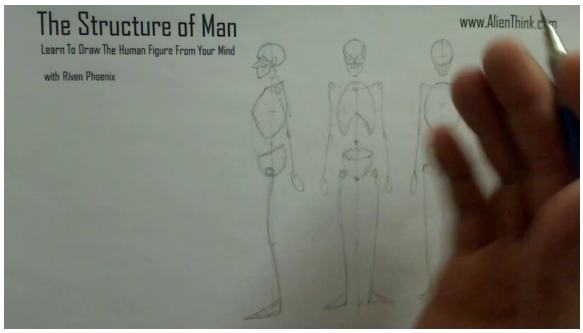
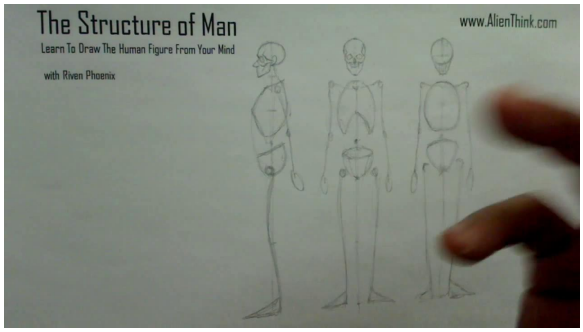
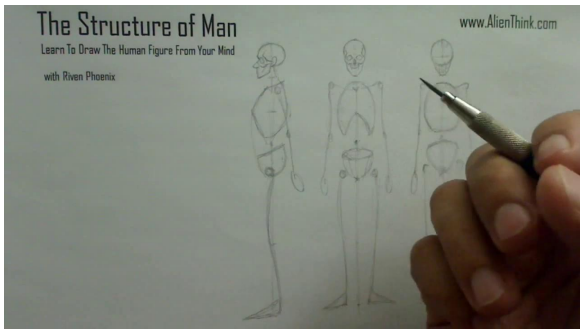
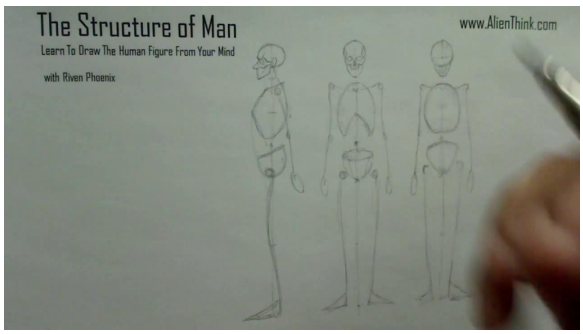
33		So I hope I was able to put that as an idea and artistic thinking together so you can
34		start to see as to how to begin using artistic thinking to come up with some kind of a conclusion,
35		right?
36		The conclusion doesn't have to be true in any way.

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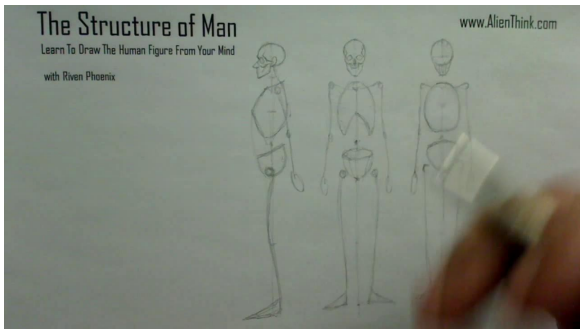
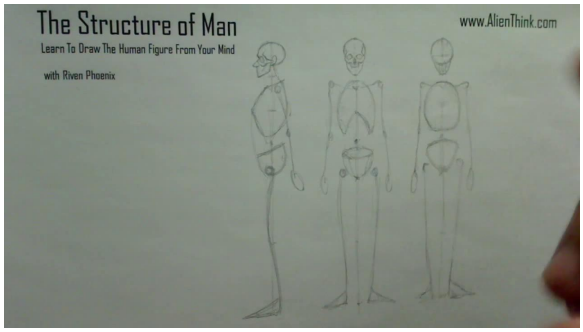
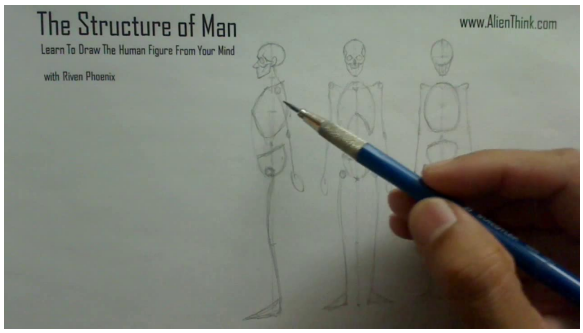
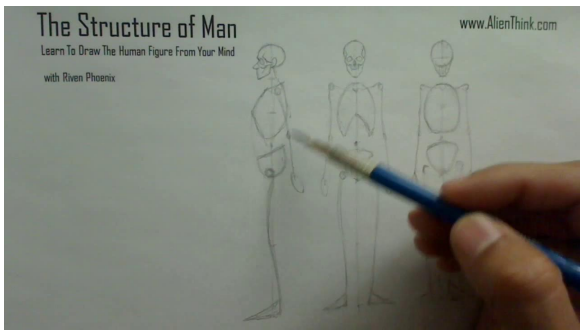
37		You don't even have to believe in it, and you shouldn't.
38		It's just the idea of how the brain thinks it's learning about this concept, right?
39		So this now brings us to the idea of the chance cavity, right?
40		So now we're going to look at the formulas of the chance cavity and it's going to be very

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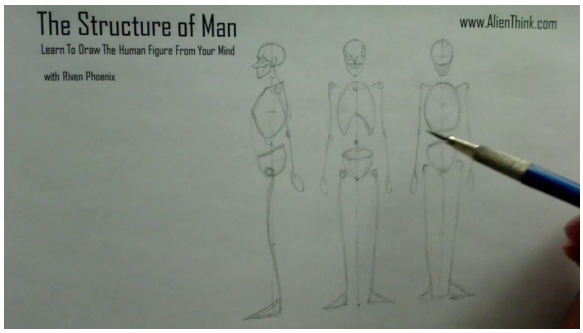
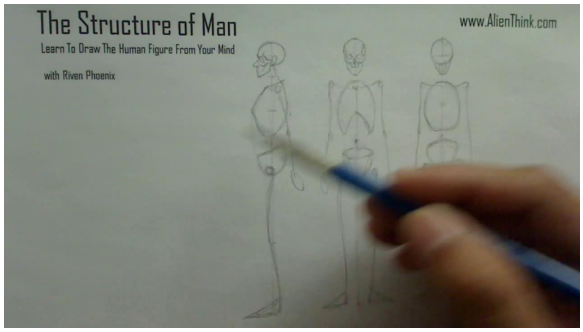
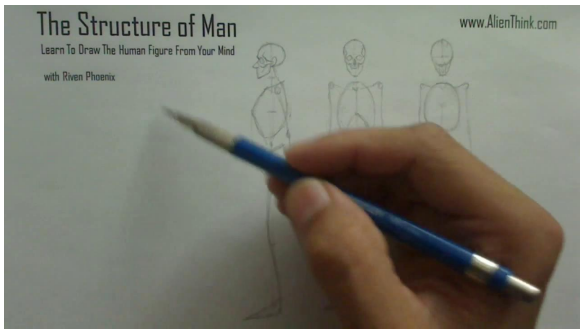
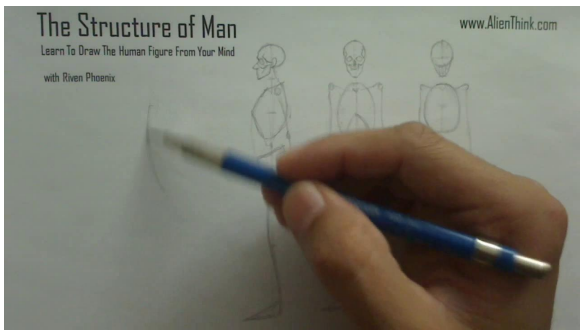
41		simple to understand.
42		So to do that, what we first need to do is link it.
43		And so what we're going to do is let's say here first, let's do a three-fourths view
44		of a sketch here of a guide.

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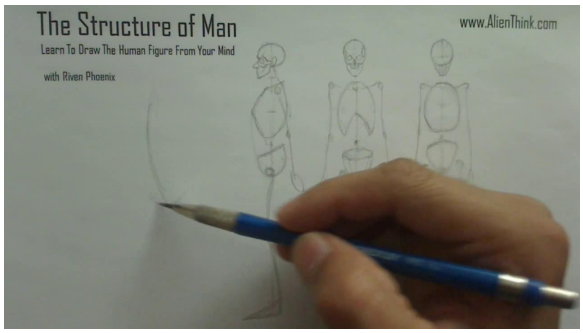
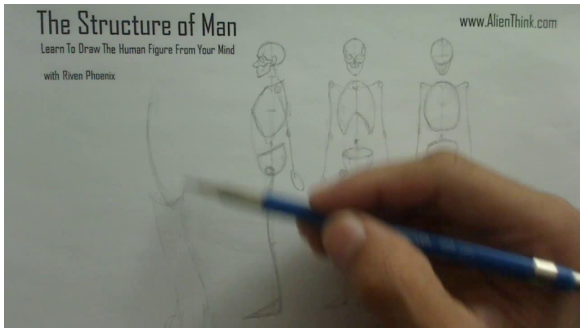
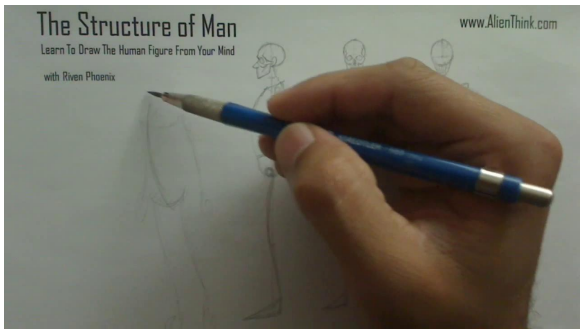
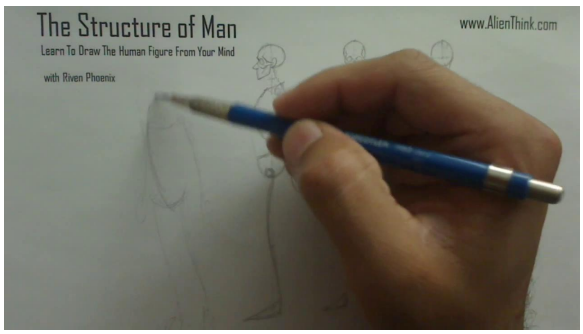
45		So now notice that I'm just using here the basic toolkit of the structure that we had
46		done and over here, I can just do like that, like a hand over here, just like this over
47		here.
48		And then we know that the head is basically going to be around here, right?

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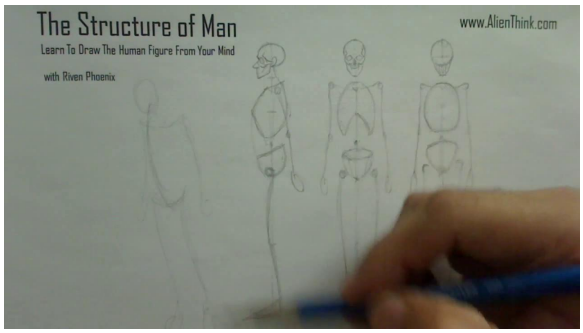
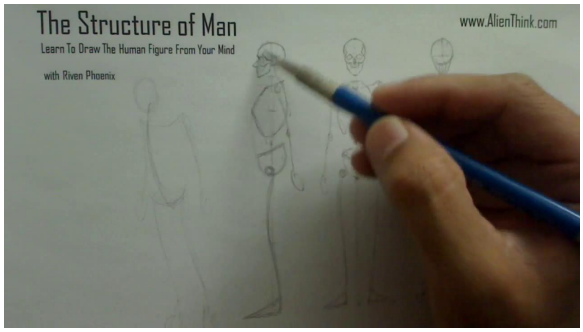
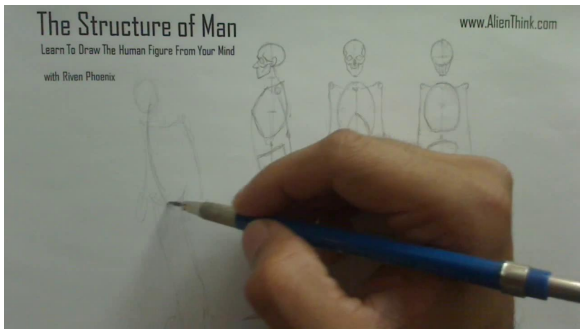
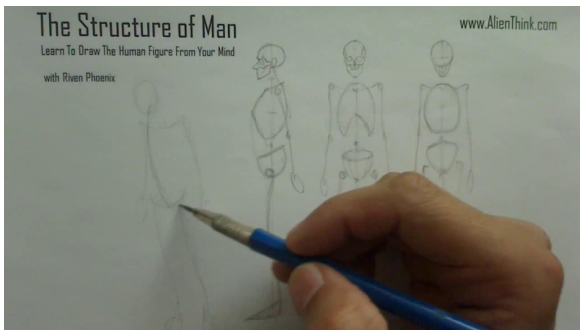
49		So here I'm just doing it on an angle like it's about to move, right?
50		So going through this process, right, we can look at this and say that, okay, well, we
51		already know that in the mind is just going to divide it correctly, right?
52		We know this is a half, this is the bottom, this is going to the top.

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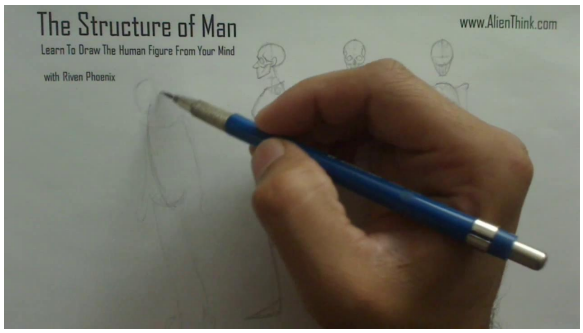
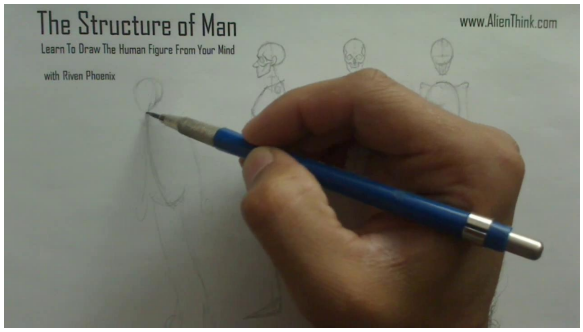
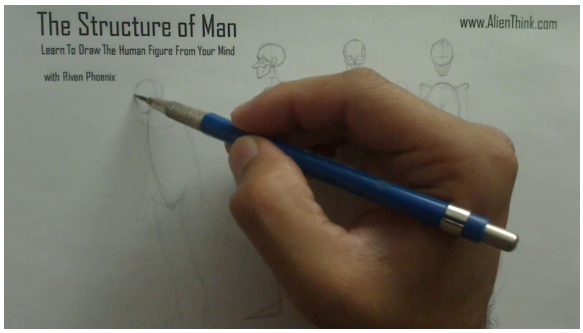
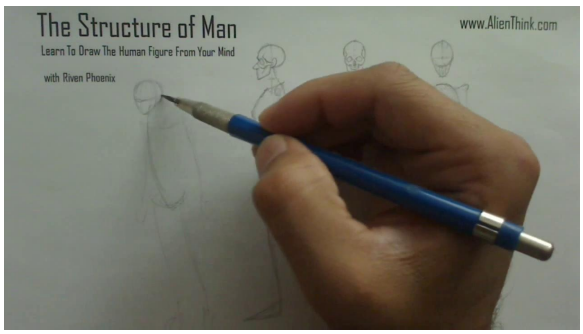
53		And we already know that over here, that we can turn this into an actual skull without
54		any effort, right?
55		It was just doing it this way over here, putting the line, knowing the center of it, just
56		deciding how do you want this to look like and then finding where the bottom of the nose

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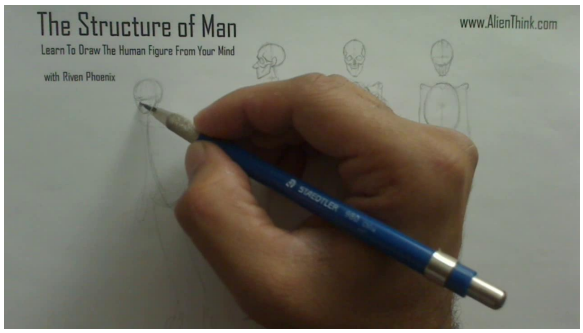
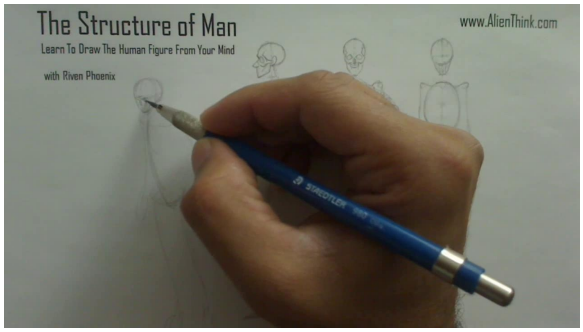
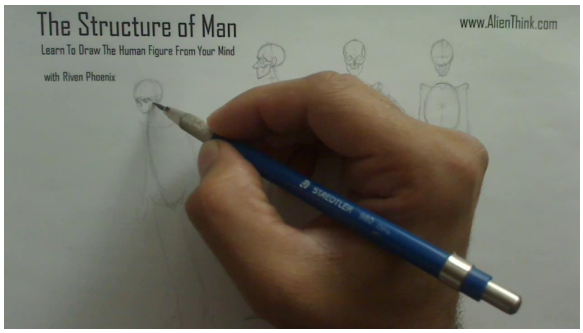
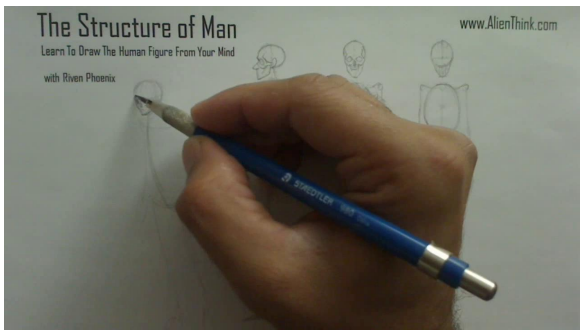
57		is going to be over here.
58		And then basically just, here I'm just going to sketch it out really fast here showing
59		you that regardless of what position you're in and drawing out the figure, you're going
60		to be able to use those ideas that we just went through and be able to create like this

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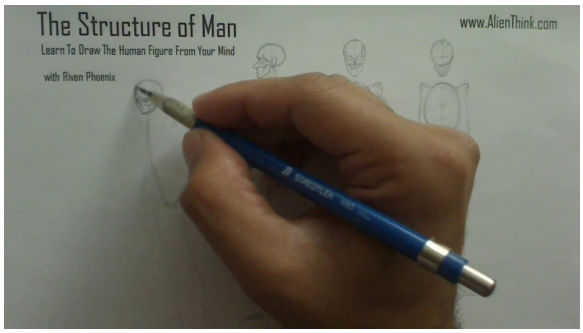
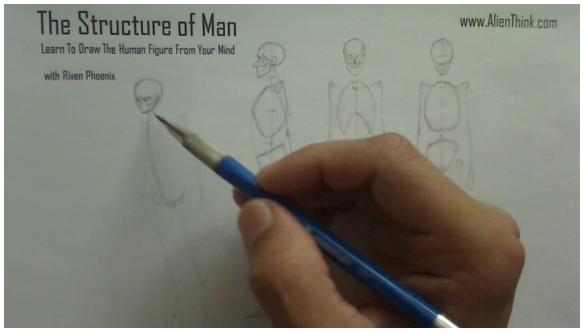
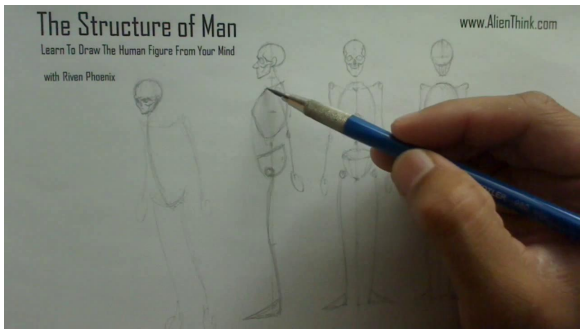
61		skull here, right?
62		So here I created a very small representation of it, right?
63		So we had also talked about this negative space that we should be aware of over here, right?
64		So we know that, okay, right, the chest cavity is obviously going to be somewhere here because

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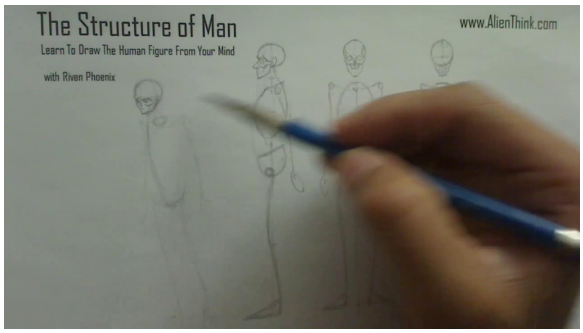
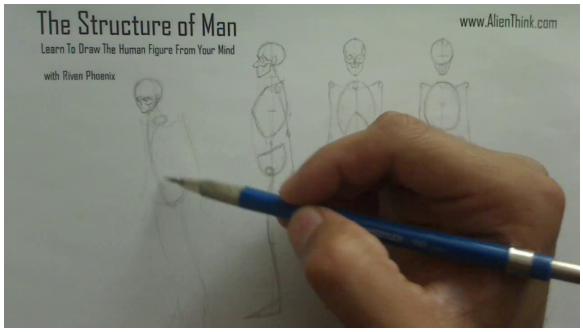
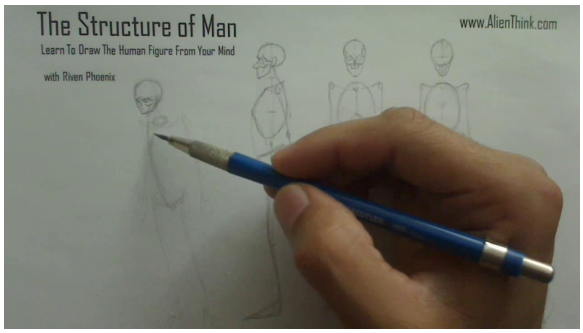
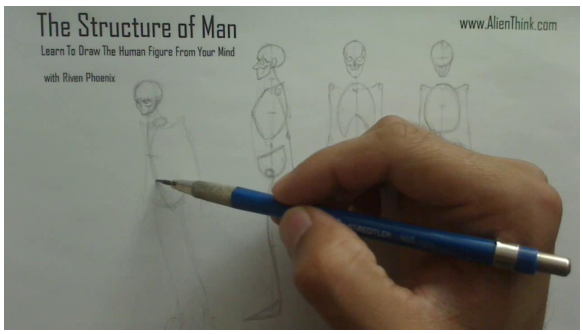
65		we know that it goes on an angle just like this, that we know about this negative space
66		over here.
67		And we know from where this is, this is going to be where the bottom of the peck muscles
68		is going to be, this is where the navel is, so it's going to be roughly around like this

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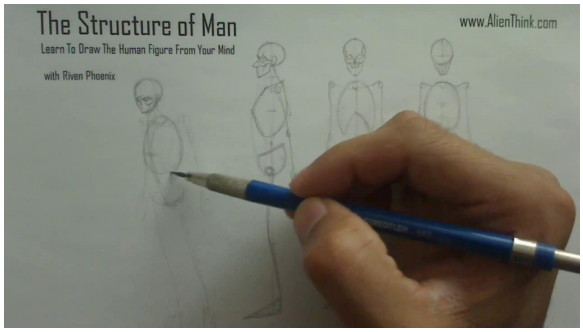
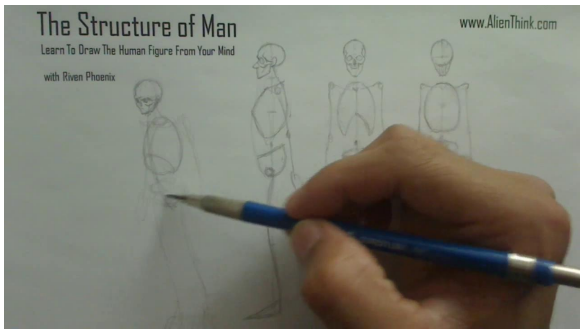
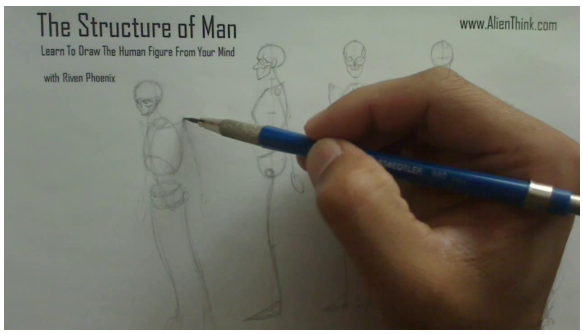
69		and the idea should be somewhat like this, right?
70		So here you'll see that we can just work out the concepts with our toolkit that we've
71		been using and basically put this whole concept together just like this, right?
72		And this basic structure is what's going to allow us really to build our drawings into

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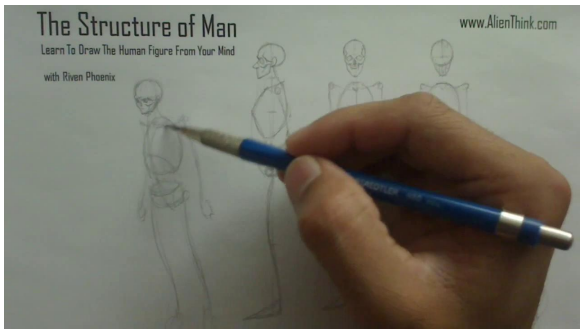
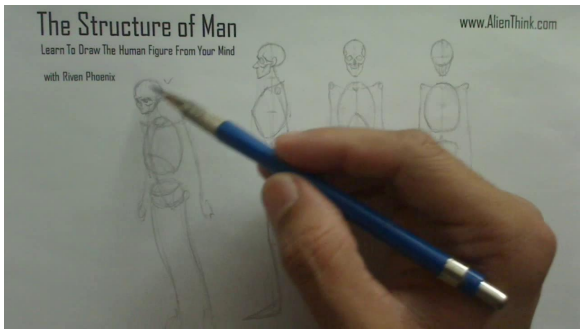
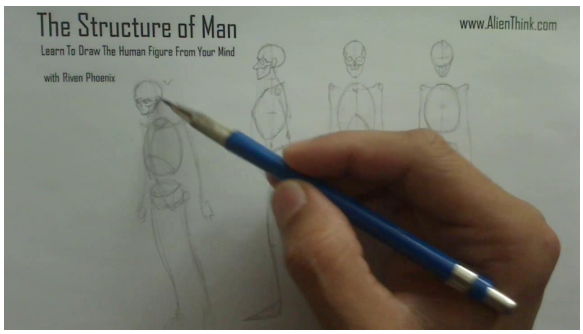
73		the human scale, the actual structure of the human figure, right?
74		So this is now, you can see that we've proved this as a concept that how much the brain
75		understands.
76		It wants to complete this drawing.

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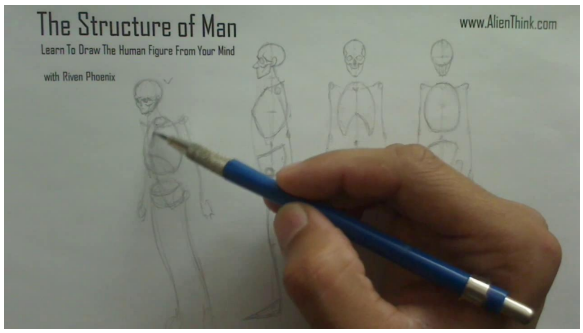
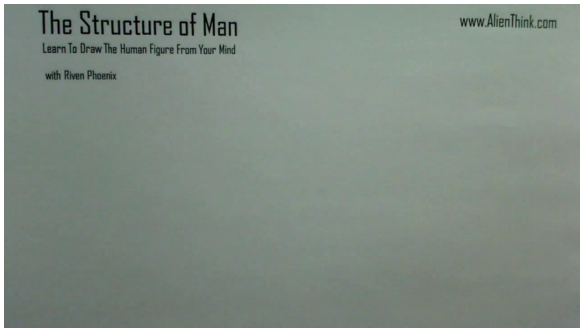
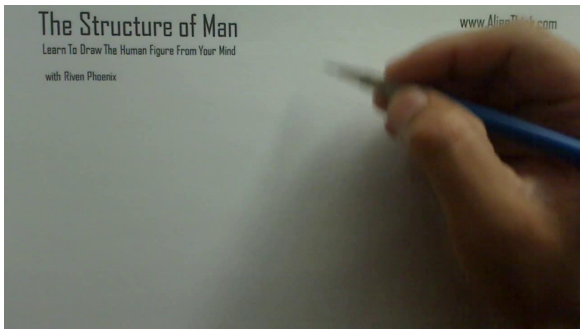
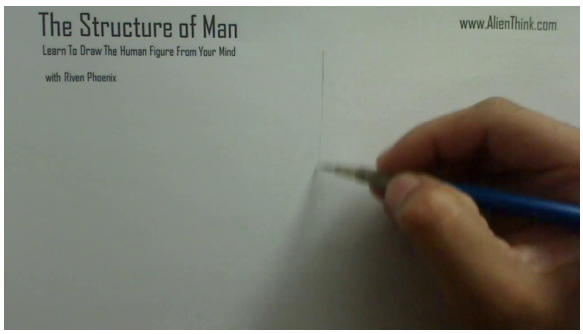
77		So now let's look at the chest cavity formulas for the chest cavity, okay, so what we're
78		going to do is really just magnify from here to here on this paper, okay?
79		So what we'll do is first look at the front of the chest cavity here, so here I'm just
80		going to draw a line just like this over here, right?

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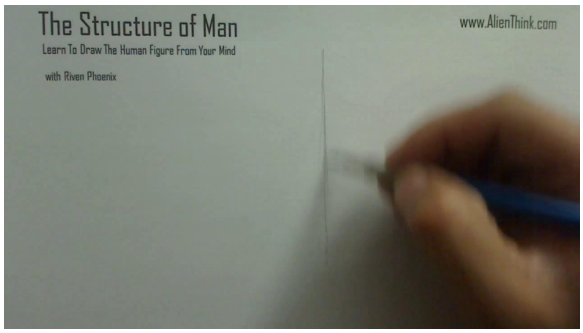
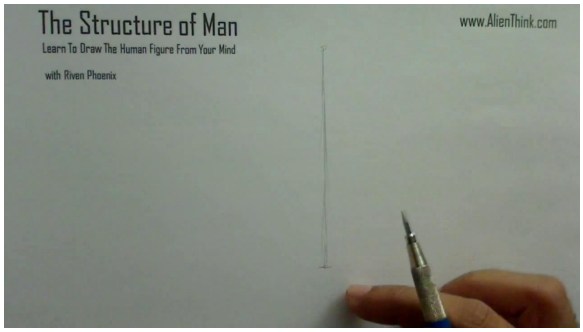
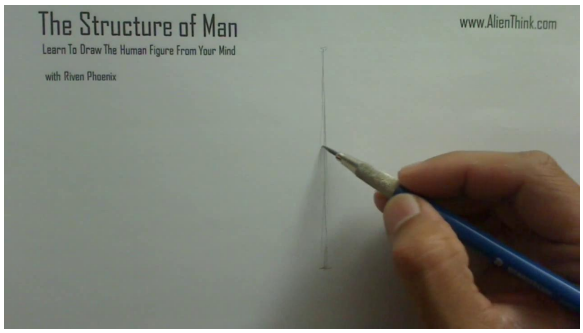
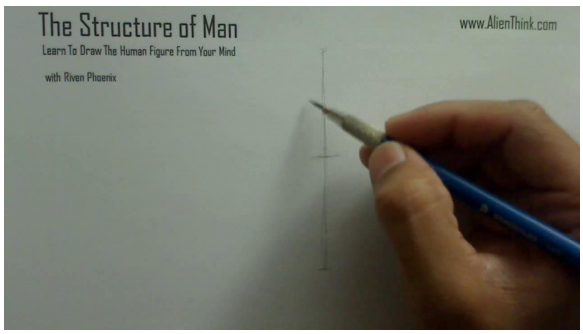
81		So just draw like a straight line, just decide a height, so this is the top, right?
82		Then there will be the bottom.
83		So this is going to be where if I divide this in half, I know that the chest line is going
84		to be here and this is going to be the bottom for the chain area and we know that the

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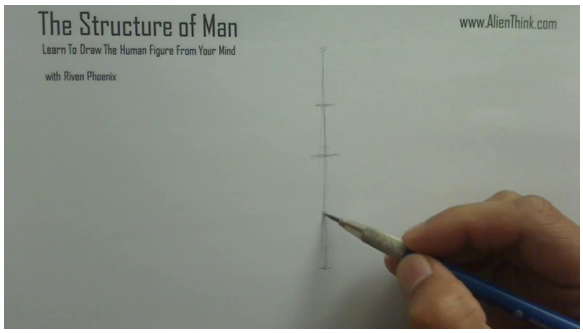
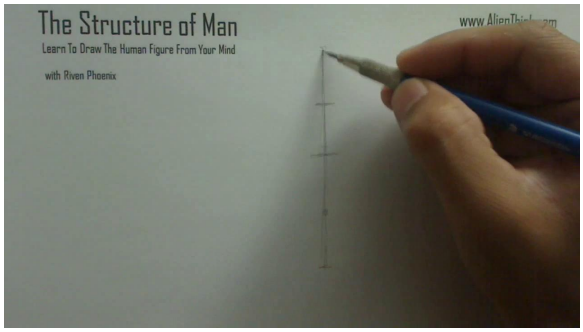
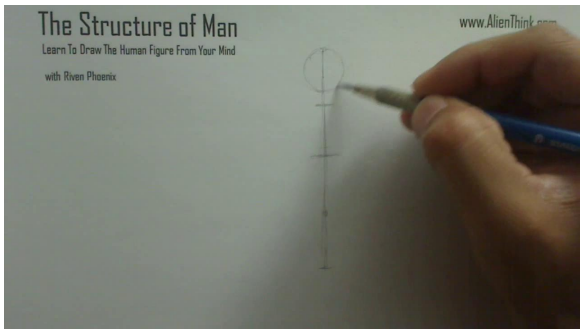
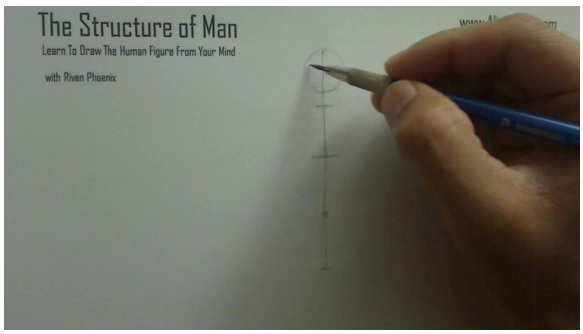
85		navel is going to be here.
86		So creating the head is going to be very simple, we just have to use the same ideas that we've
87		been working with, right?
88		And make sure you're doing these exercises, you're drawing everything that I'm showing

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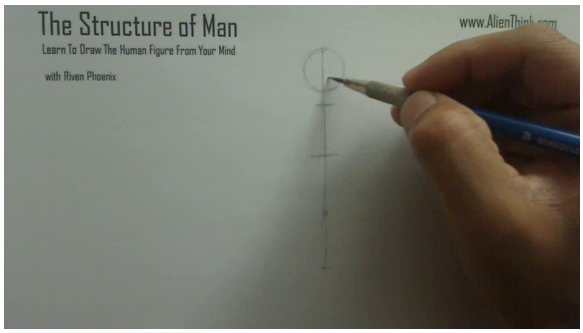
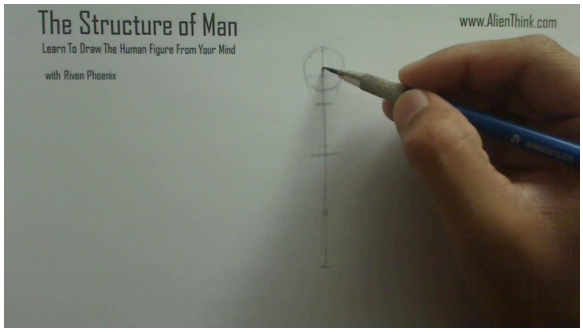
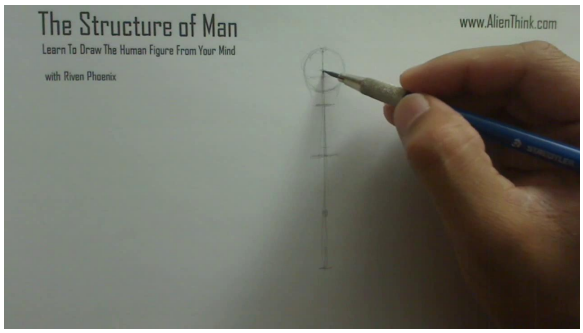
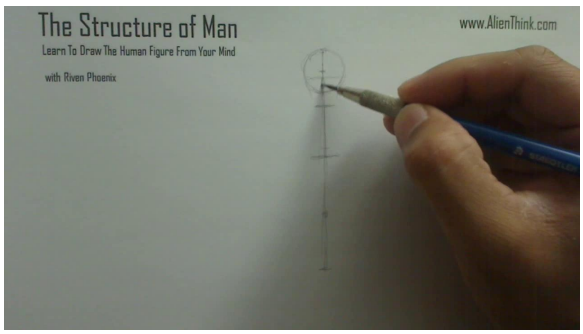
89		you here, exactly.
90		And this will help improve your understanding of this.
91		So here's the top of the brow, we know that half of this is just going to be the nose
92		area over here, you know, over here is going to be that area for the mouth, right?

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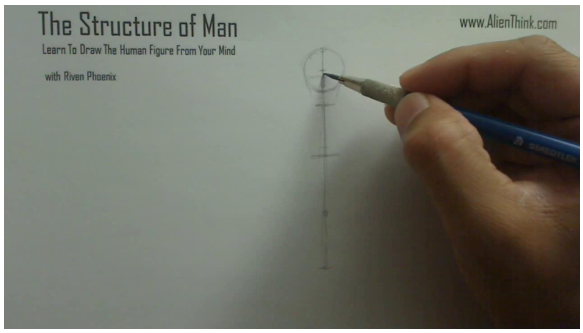
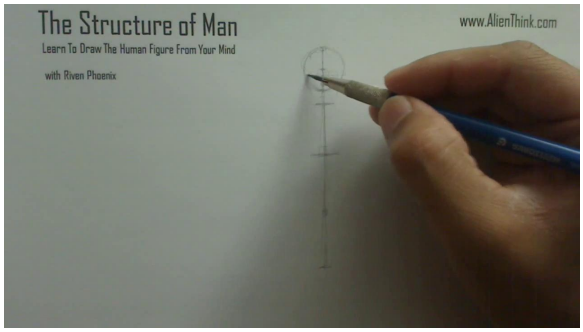
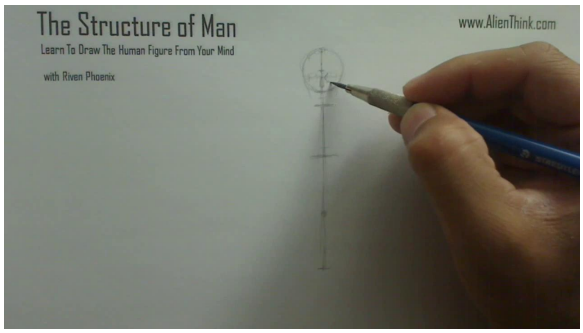
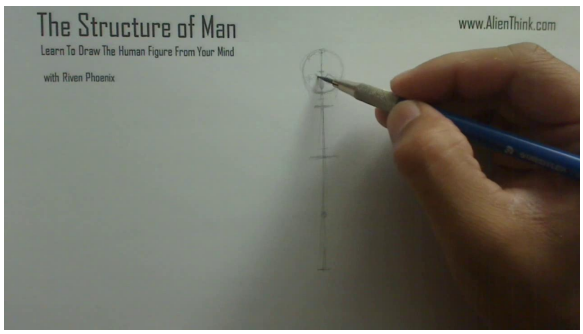
93		So we know over here we really just need to put like a box here to understand, right?
94		So here I'm just always visually checking to make sure that what is it that I'm putting
95		on paper is going to come out, right?
96		So here is going to draw out like the skull, like this over here and just really quickly

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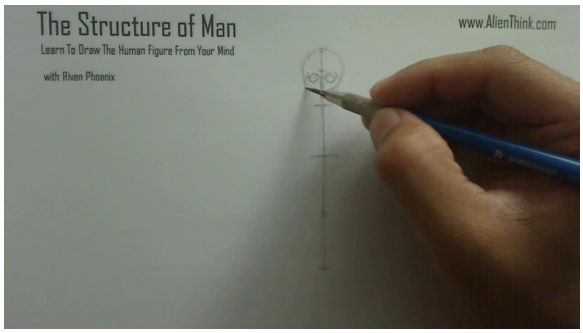
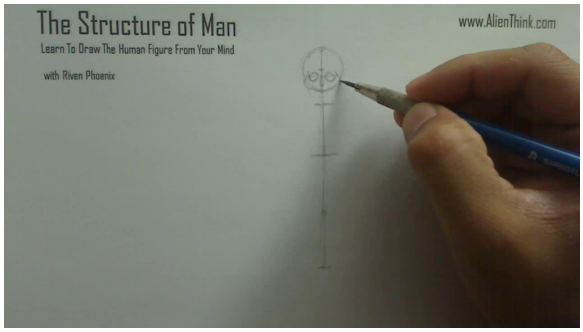
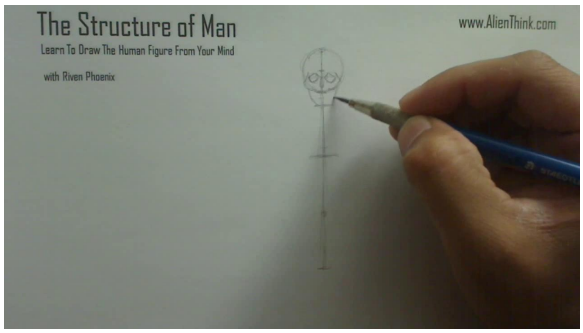
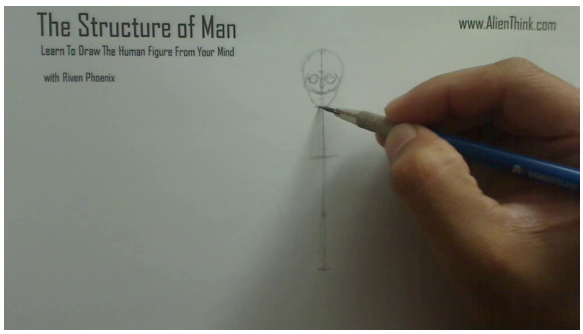
97		just finish it off like this, right?
98		You don't have to do such a detailed work here, just make sure that what is it that you're
99		drawing is correct, right?
100		This is getting in, this is all about elite thinking and figure drawing, you want your

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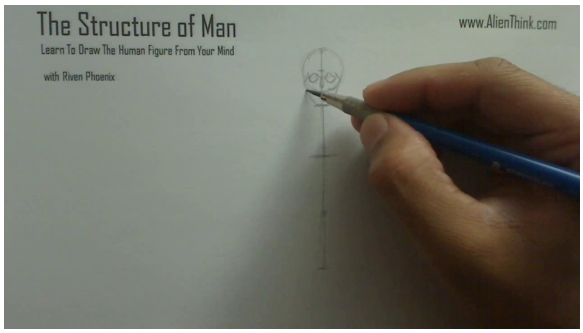
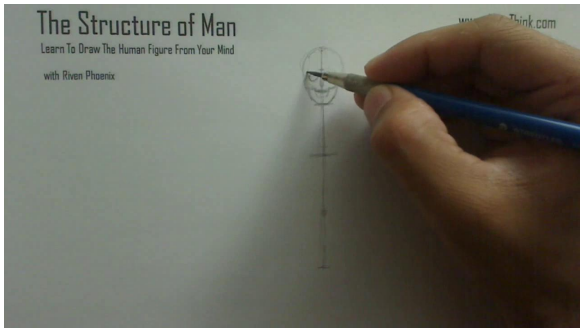
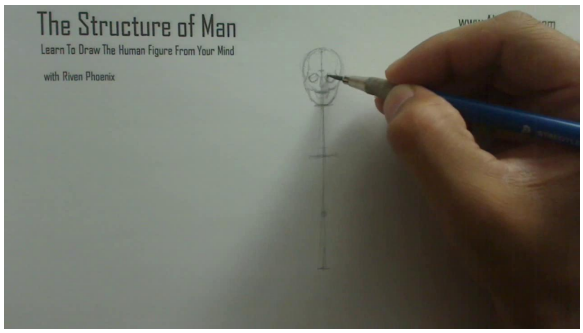
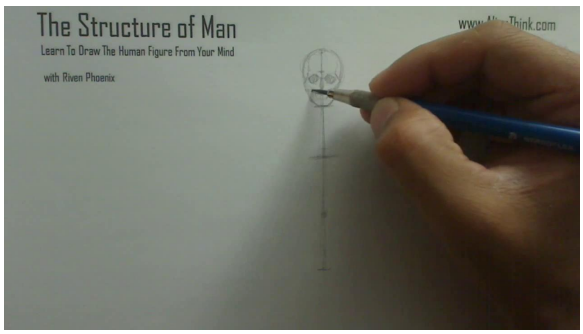
101		drawings to have a high quality, right?
102		What kind of standard you're going to hold this toolkit to be, okay?
103		So here I'm just going to color that in, right?
104		So we know that this is going to be just a skull here, just like this, right?

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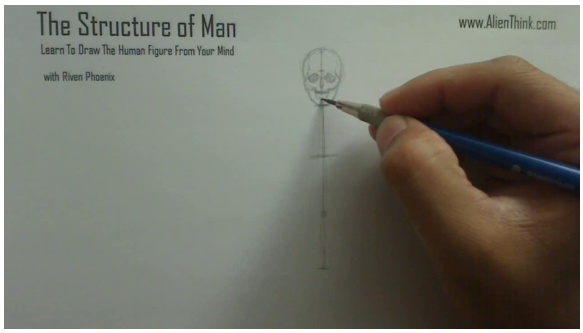
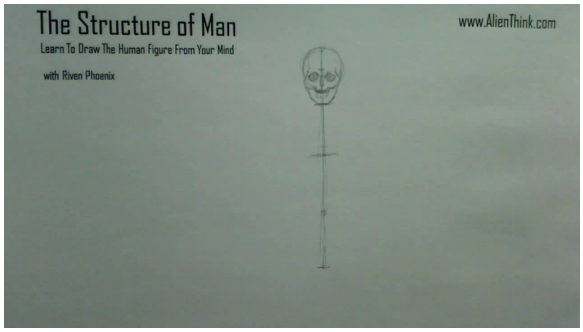
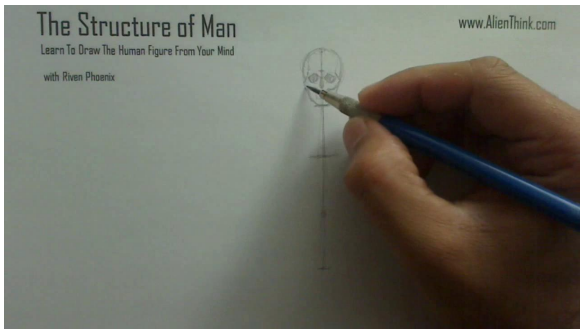
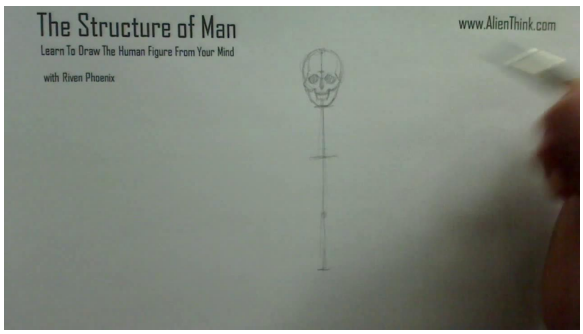
105		And here this is going to give the area for the mouth, I'm going to dip that a little
106		dark over there, so I'm just going to lighten that up, right?
107		So you can get the area for the mouth over here and then the line for the jaw over here,
108		okay?

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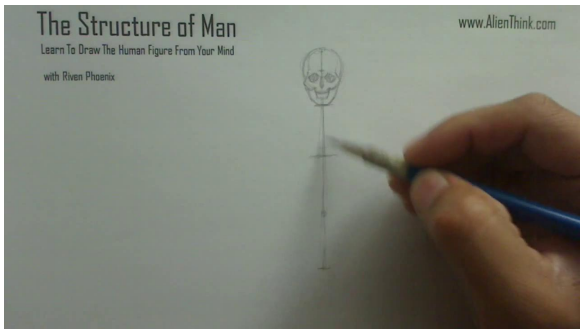
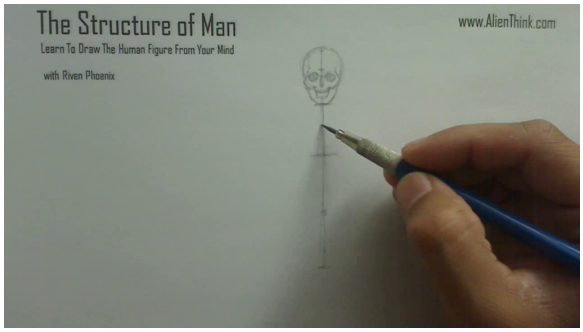
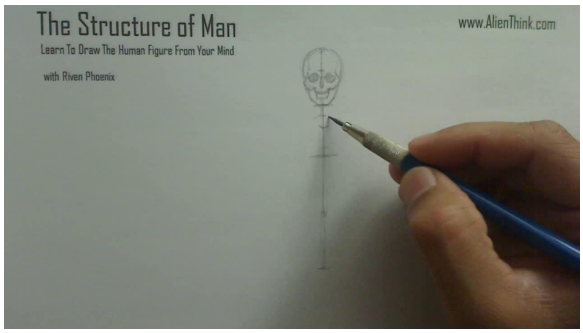
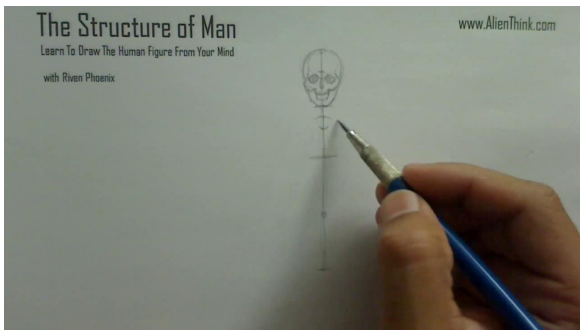
109		But if we look at the chats cavity, we know that if we just take this, take this divide
110		in half, we get the clavicle and right above it here when I divide this in half, I know
111		I'm going to get that circular idea.
112		So for here, I just want you to draw a line over here like this because we need to create

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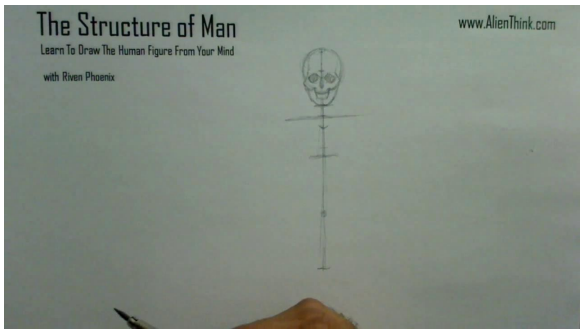
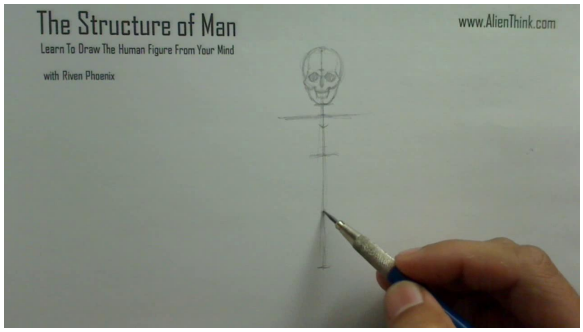
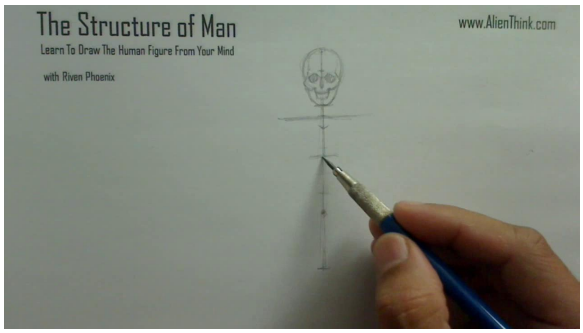
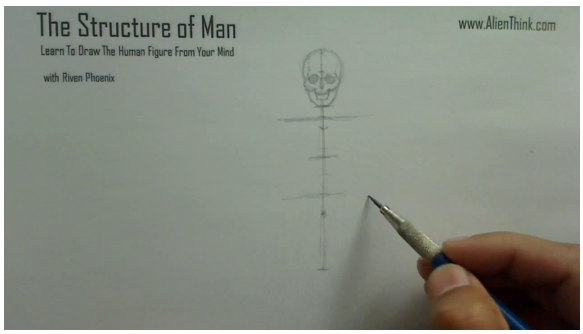
113		a very simple formula to force the mind to see the design of this.
114		Here's the naval, so if I really just divide this in three different parts, this section
115		here from the bottom of the chats cavity, one, two, three, the bottom is where I'm going
116		to make another line over here, right?

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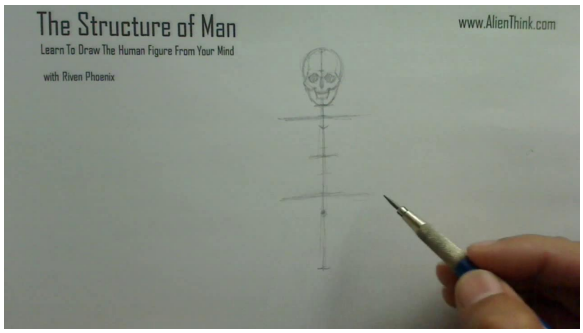
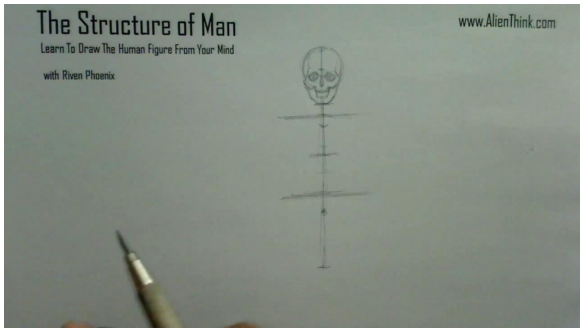
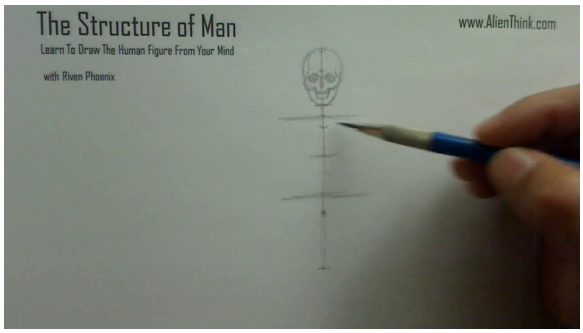
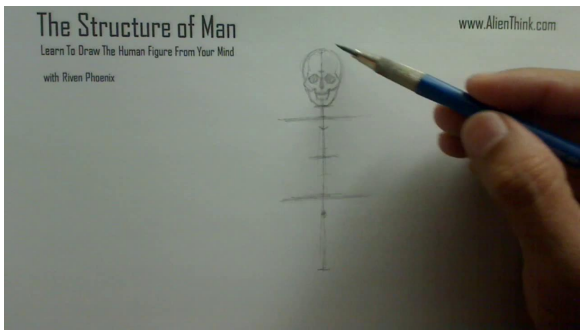
117		So now we're going to understand really in the realistic human figure based on the actual
118		human skeleton, how the width is supposed to be determined.
119		And it's really simply just the width of two heads, right?
120		So if I take this head and put it here, I can come up with the width for this.

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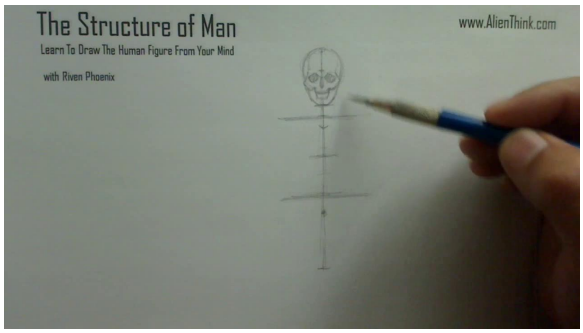
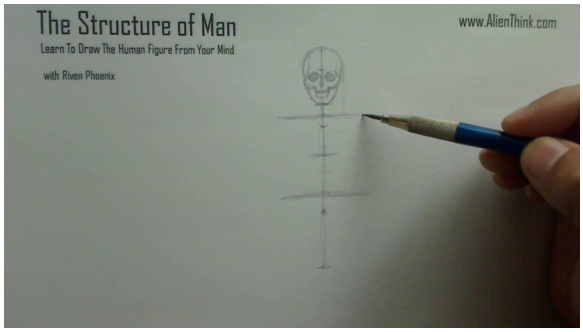
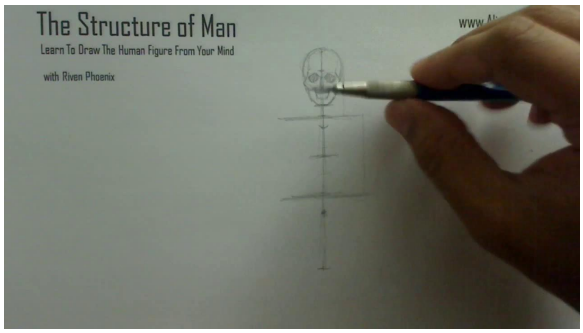
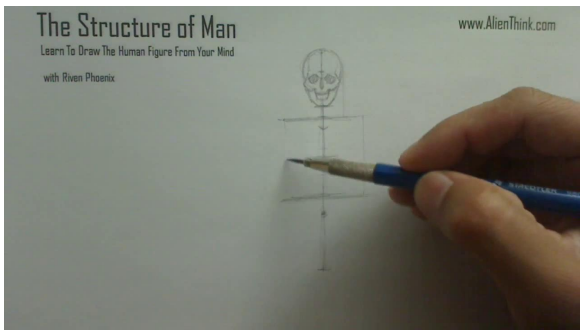
121		So the easiest way to do this is just look at the half of this over here where this is
122		and just visually add another half over here, right?
123		So since this is a bigger drawing, I'll measure it, but usually don't have to, you can just
124		eyeball it, and that's it.

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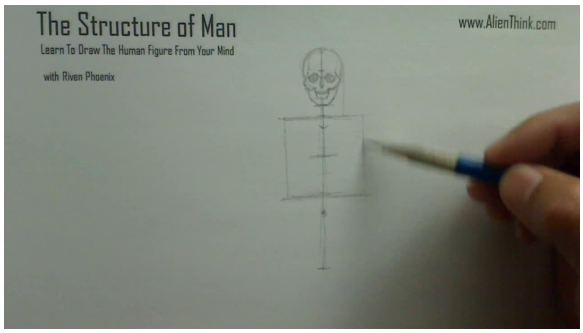
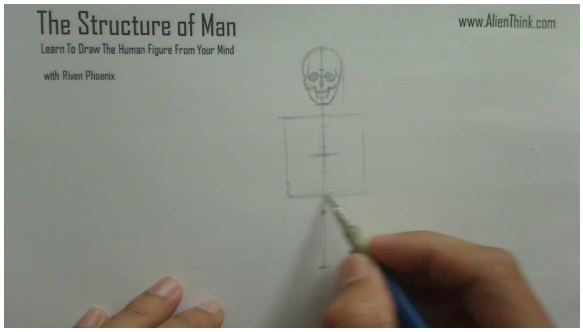
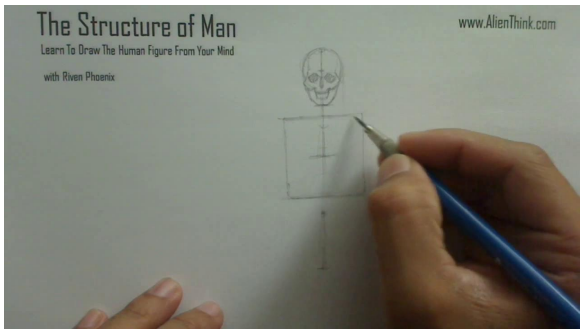
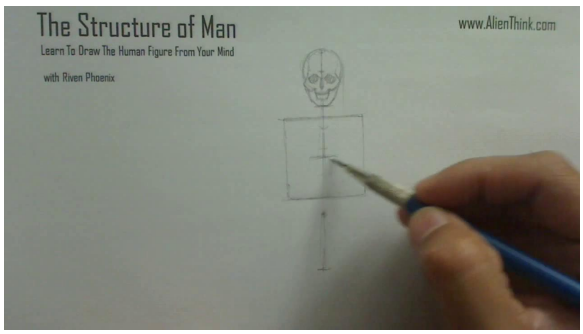
125		So the chats cavity will have to fit within this grid system here, right?
126		So here I'm just going to, since I'm always drawing fast here, I just like to use a very
127		fast sketchy style, then come back in and just clean those ideas up.
128		So here's the bottom of the chats cavity, right?

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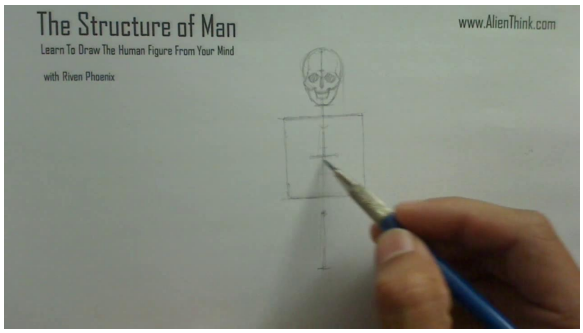
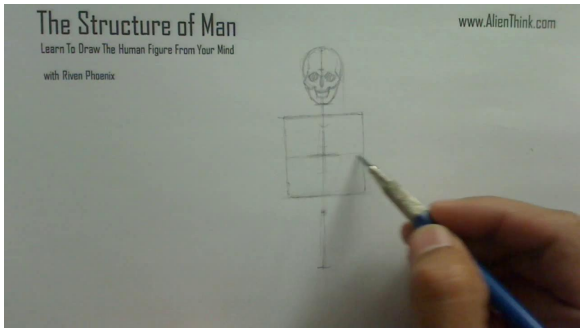
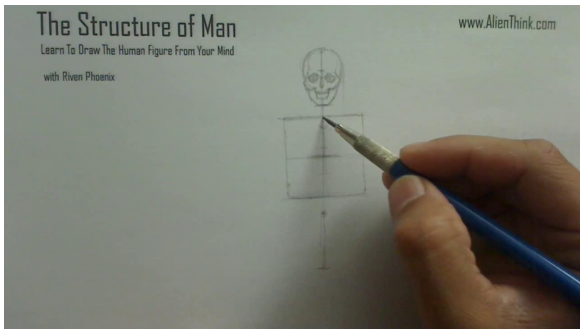
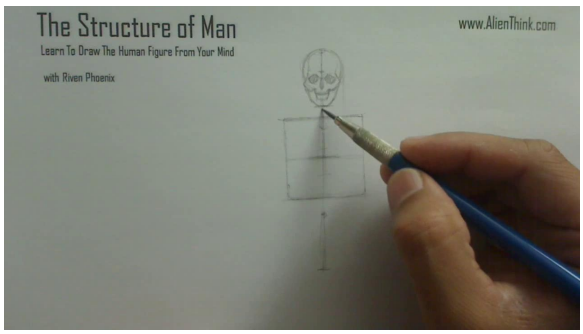
129		So basically, if you divide this in half, this is the bottom of the pack muscles, sorry.
130		If you divide this in half, just like this, right?
131		What we need to do is this gives us enough space to understand that the neck is obviously
132		going to be here, and this is the clavicle, so the neck, we should now start to understand

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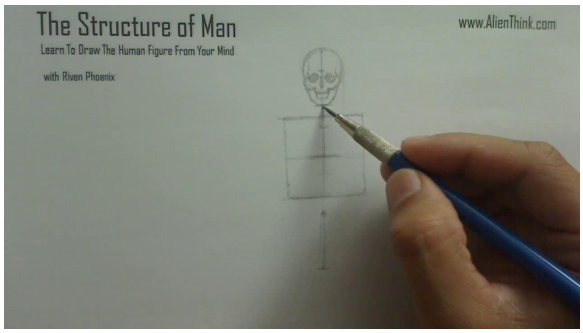
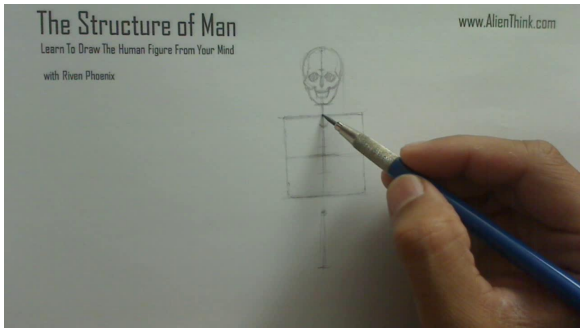
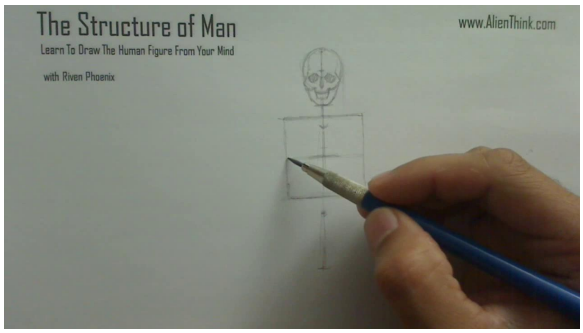
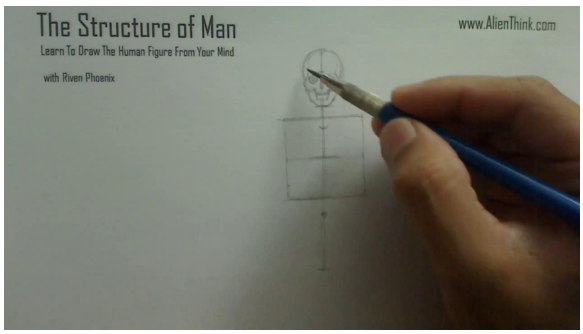
133		the neck from here to here is going to go all the way down here, and this is the back
134		of the chats cavity, right?
135		So basically where this is, it needs to somehow end up in here, right?
136		So if you look at this, the width of this, this section here where this circle is, it's

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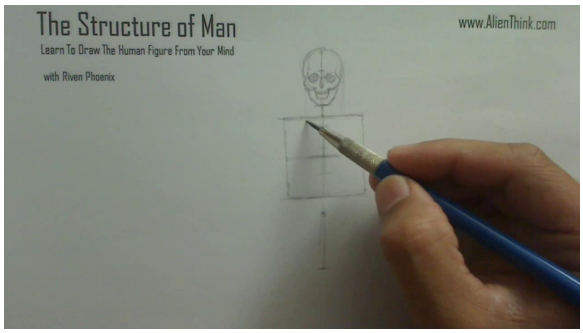
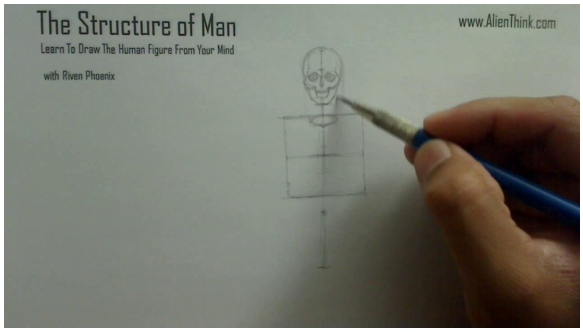
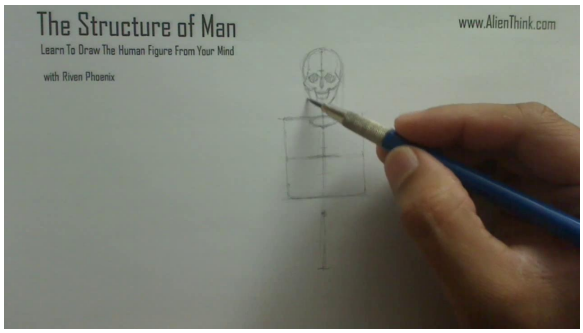
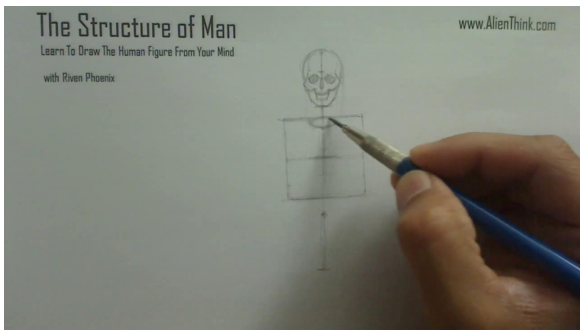
137		going to be approximately the width for this, and the reason for this is because
138		when the neck comes down, it's going to sit over here, right?
139		It's going to be like a thick neck.
140		So the hole for the top of the chats cavity is about this bit.

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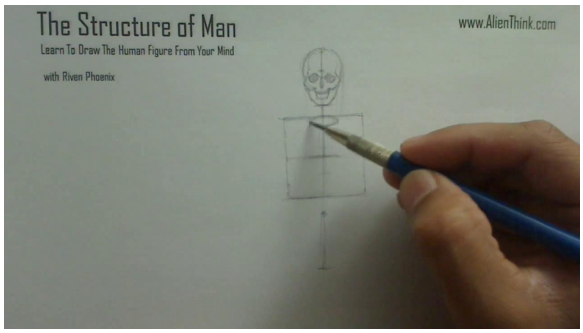
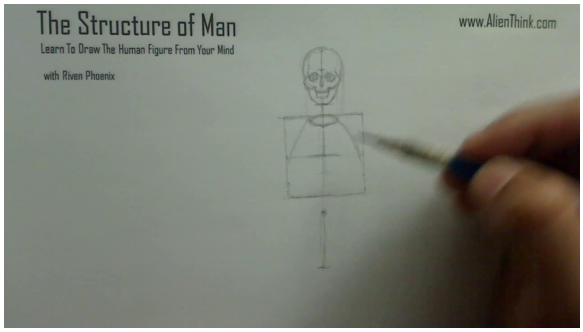
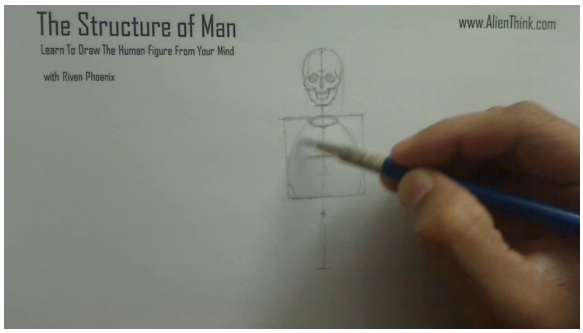
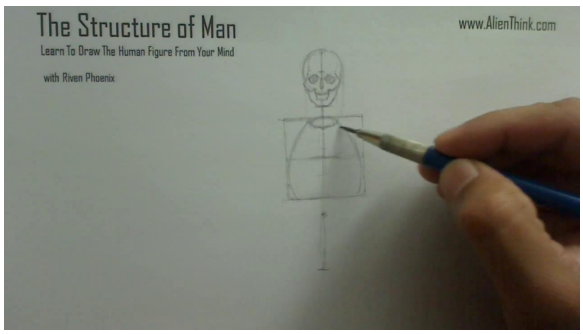
141		So from here, basically all you need to do is just come like this over here, right?
142		Coming to where this line is, and then just come down in this way, just a little bit,
143		right?
144		This will give you like a very basic idea of how the chats cavity is supposed to be,

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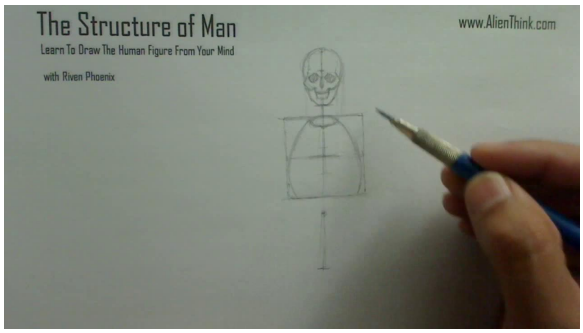
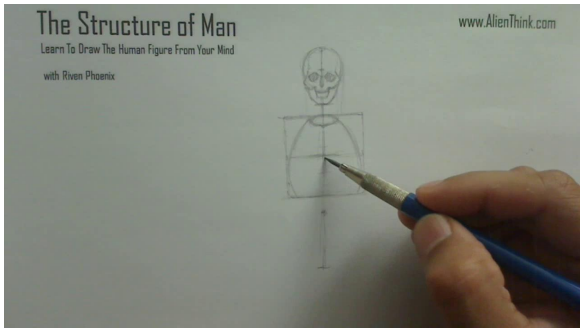
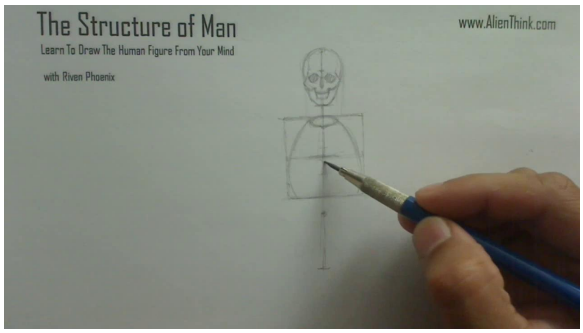
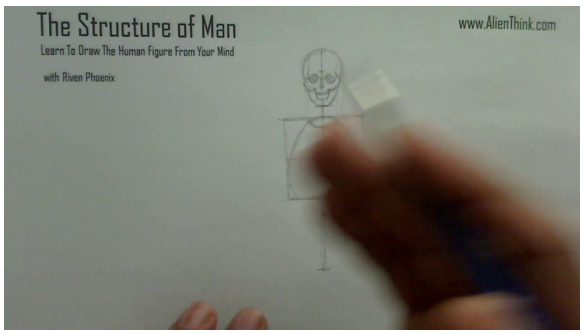
145		like the forms of it, and then from here where the bottom of the pack muscles is, here
146		is going to be the sterile over here, right?
147		And we're going to adjust this later on because right now we just don't have enough information
148		because we need to get to another step to actually adjust this concept here.

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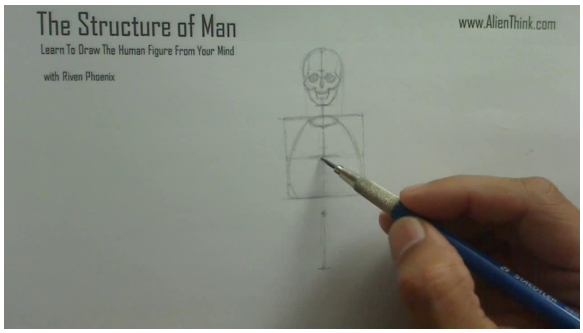
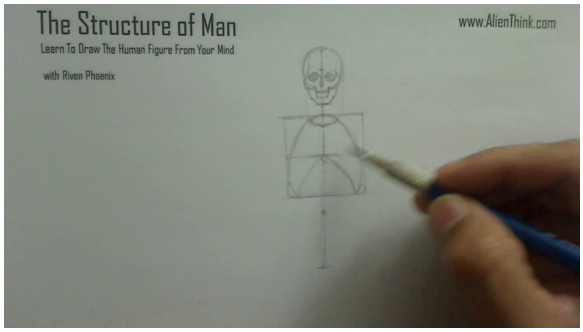
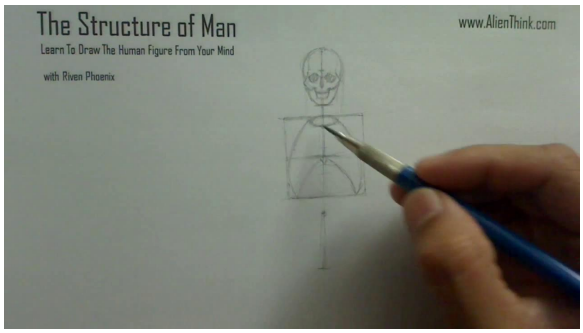
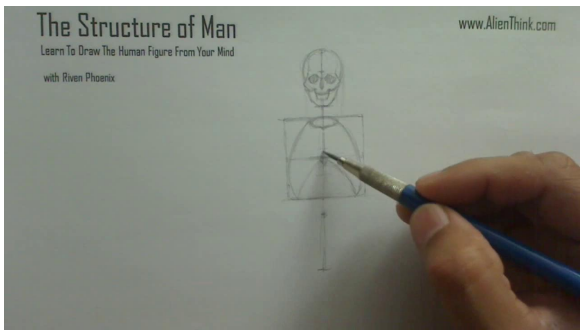
149		But for now, just know that all you have to do is just do this and do this over here.
150		And this gives you the idea for the chats cavity, right?
151		So now if you wanted to draw this free hand, we just need to investigate this and look
152		at how this is being done over here, right?

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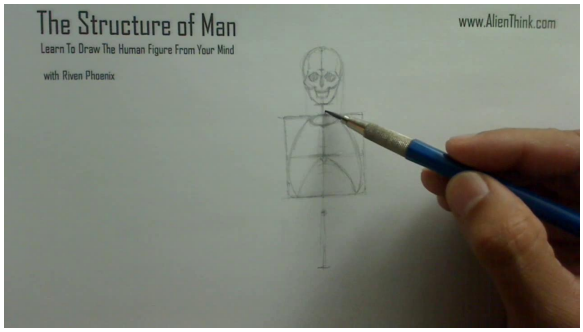
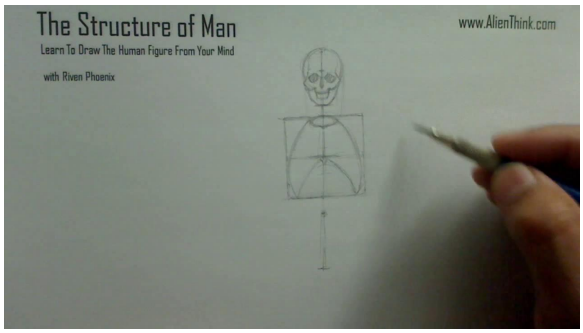
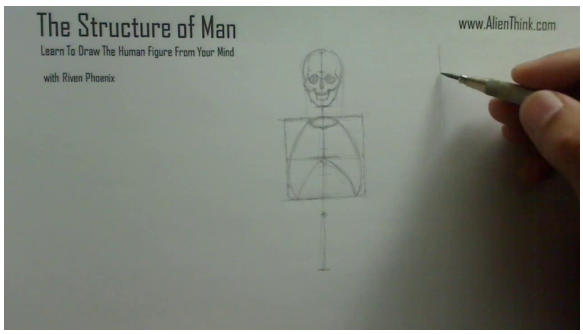
153		So what I remember, the idea here is not that this is now somehow a cube here because
154		sometimes when you're drawing, you might elongate this a little bit, right?
155		So if I wanted to draw this right now, let's say if we now draw our invention from here,
156		we're going to draw the invention again all the way from here.

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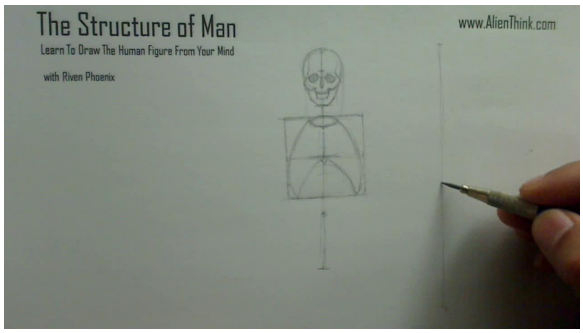
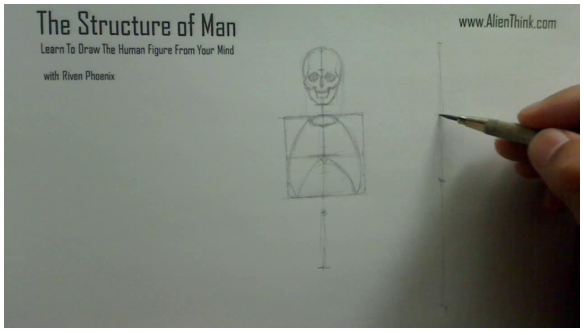
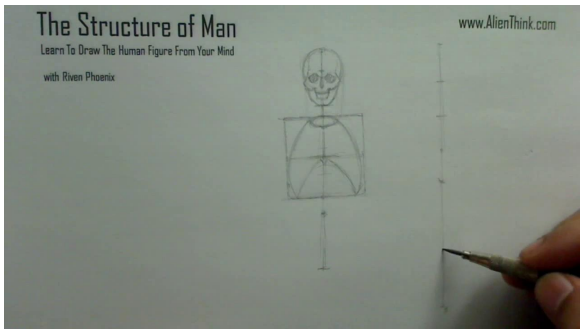
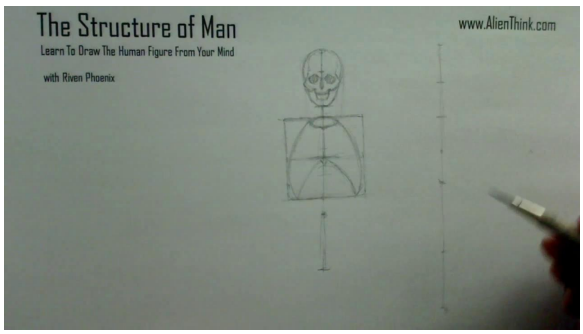
157		So we know that okay, this is going to be the, we're drawing the front of the invention.
158		This is going to be the pack muscles, this is going to be the the chin and the navel
159		and here where the knees will always be above it.
160		So now when I draw out the skull, right, so I'm going to first draw this out conceptually.

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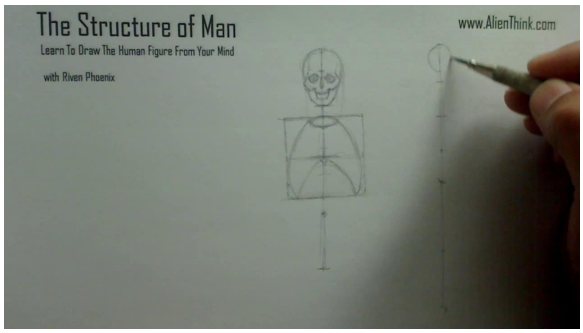
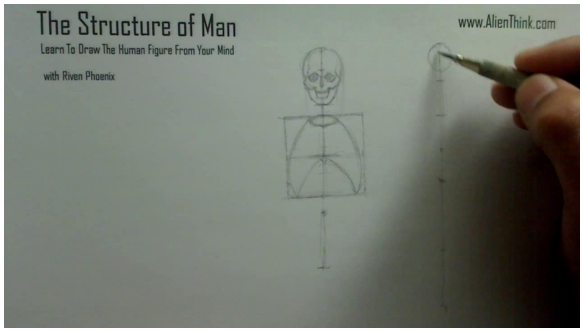
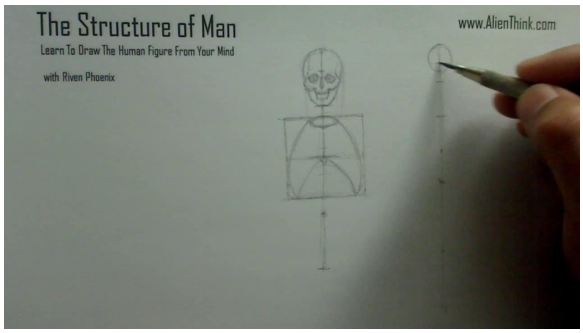
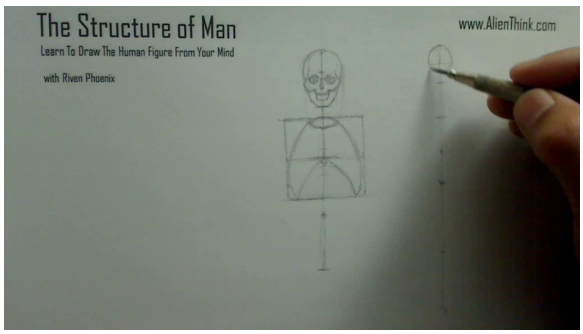
161		Let's just get the ideas down first, right?
162		Here's the basic idea of it.
163		Here's the center line for this.
164		I know that it's just going to be like this and it's just going to come like this, right?

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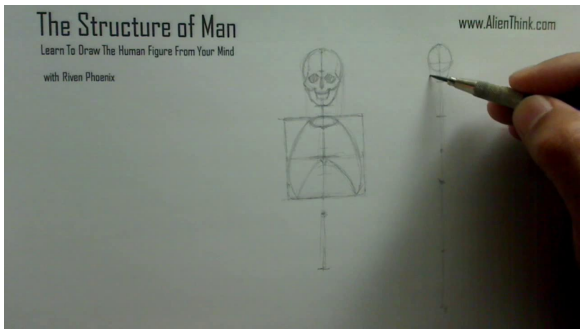
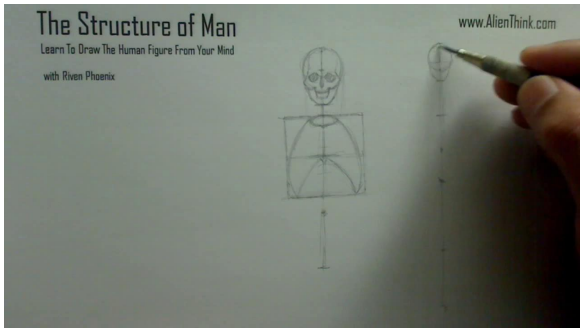
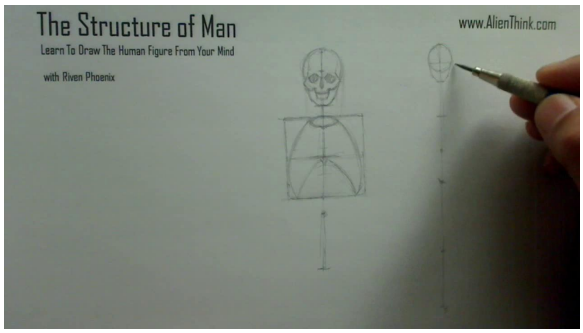
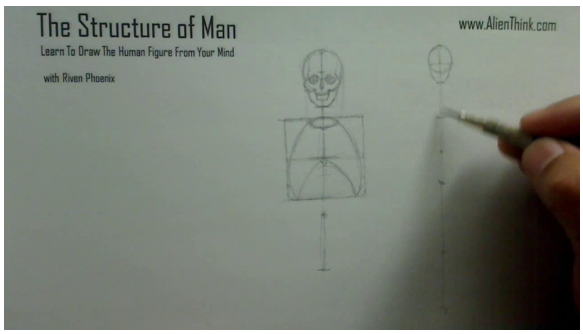
165		This will give you the basic idea of the head.
166		I'm not going to mess around with this.
167		I'm just going to leave the ideas there.
168		So from here, we know that the clavicle is going to be here, right?

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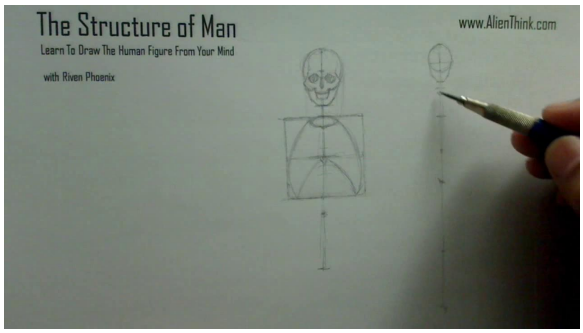
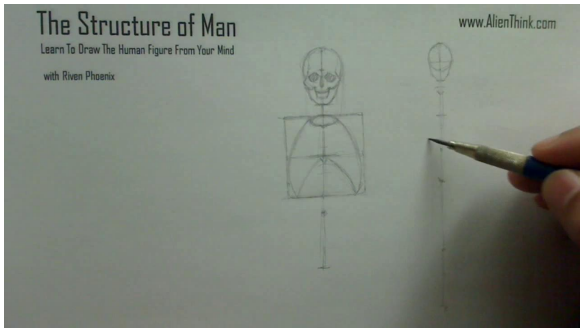
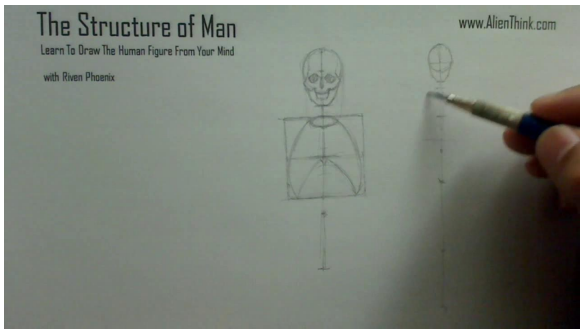
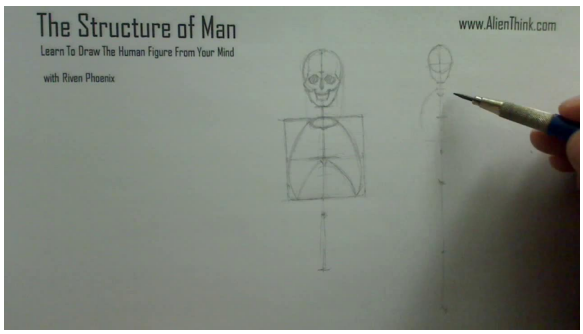
169		So now when we draw it, we just know that if we had divided this in three different parts,
170		we know that it's going to be here, right?
171		So if I draw it, right, I just need to visually look at it, it's just needs to be halfway
172		anyways, just like this, right?

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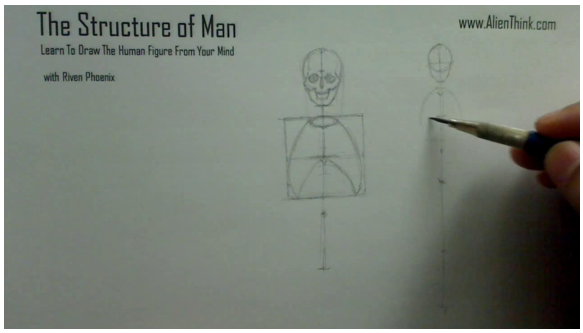
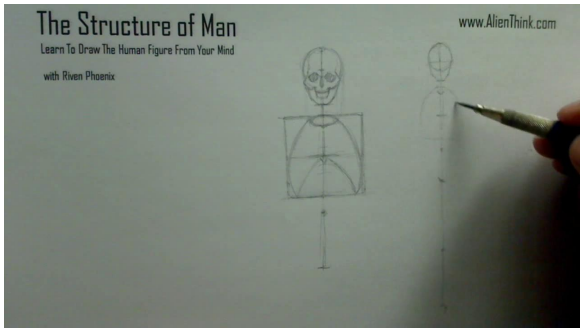
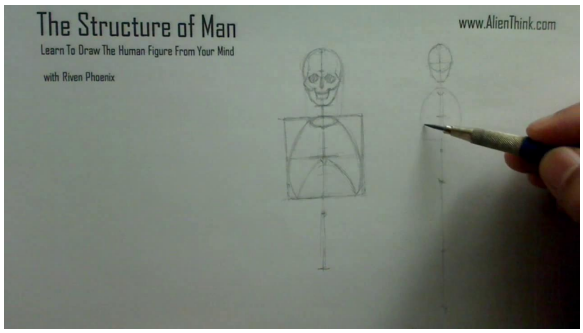
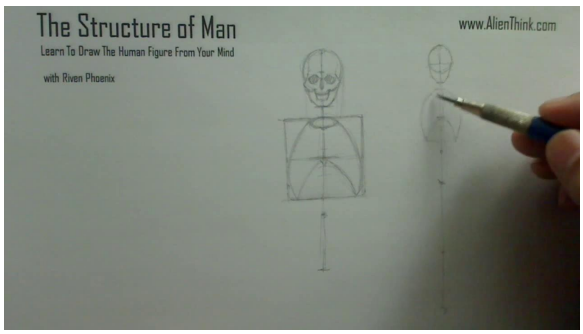
173		And where this mark is, see where this, it starts turning in this way, just like this,
174		right?
175		So it's going to just turn and go here and that's it, right?
176		So when we're drawing this on paper like this, right?

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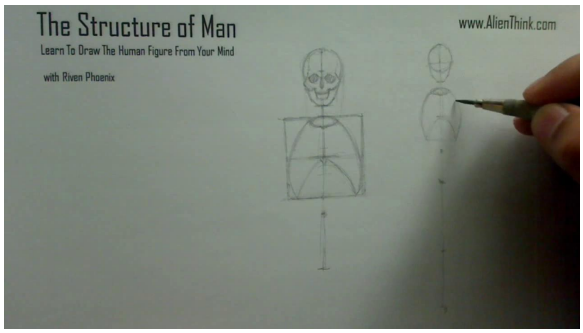
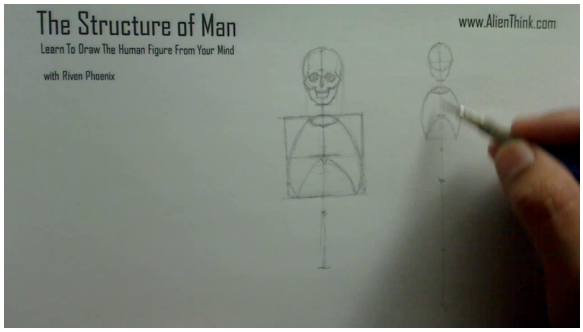
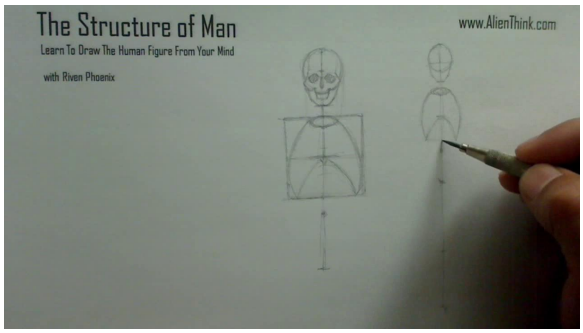
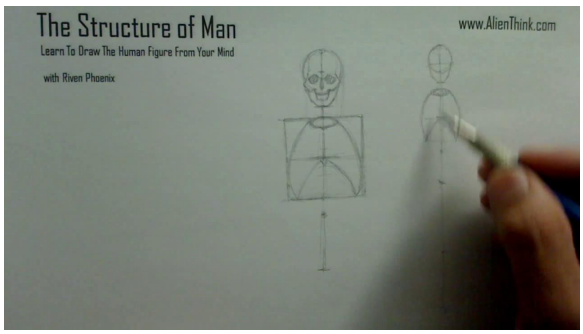
177		So here we've improved the invention of this concept over here, of our original idea,
178		right?
179		So when we're drawing it, we can just visually look at this and look at it that way, right?
180		So what I'm saying is that let's say if I just draw it to chest cavity, if I just draw

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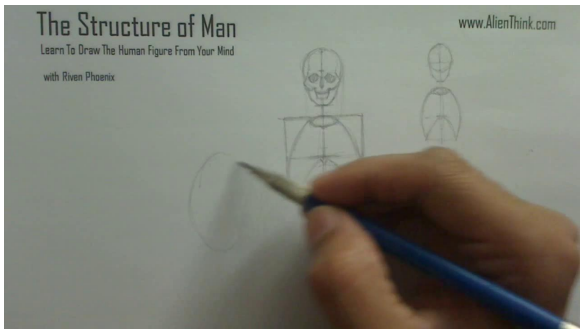
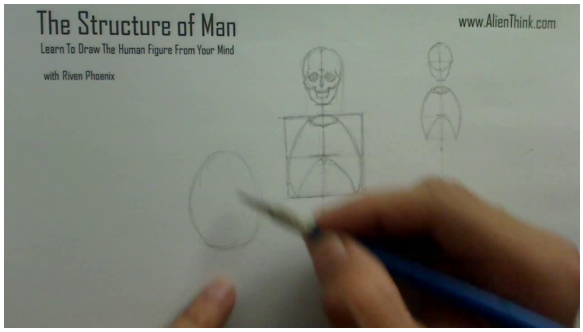
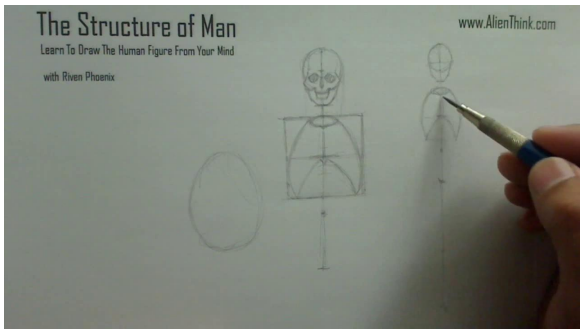
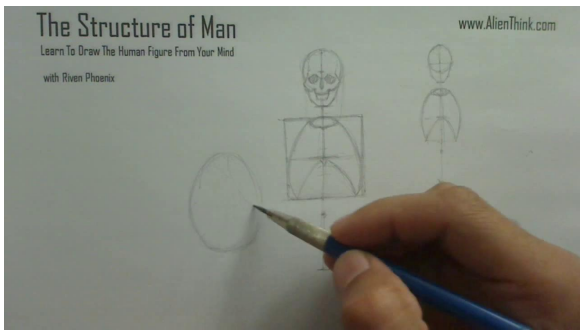
181		out like this edge shape over here, how can I quickly make this into an accurate chest
182		cavity?
183		Well, I can just look at this if I drew a line through it, right?
184		I just know that I just need to be like this, right?

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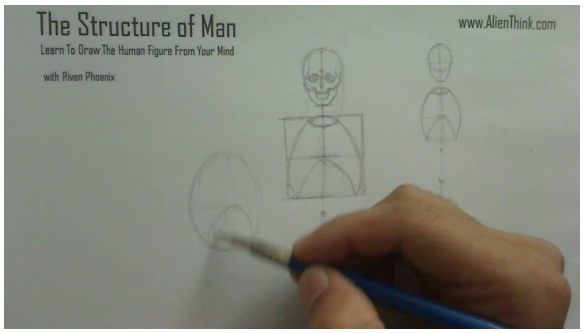
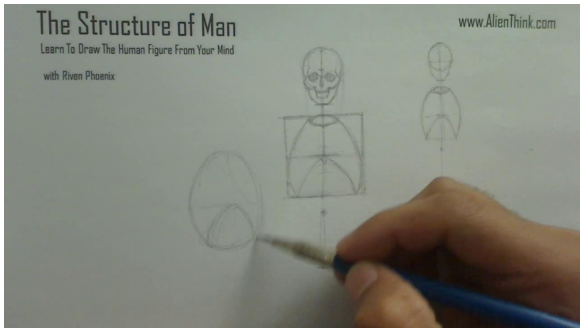
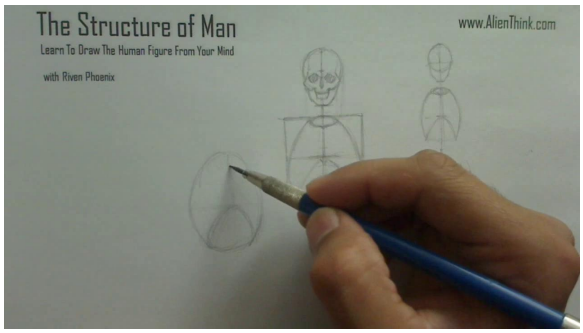
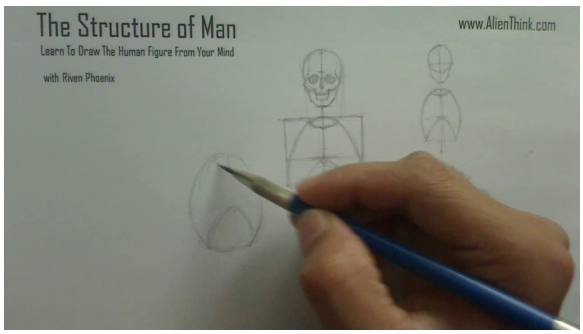
185		That's it.
186		And then over here, I know that over here, look where this is, over here, it's just below
187		this, right?
188		So here we could make this like almost like a three-fourth view, very subtle three-fourth

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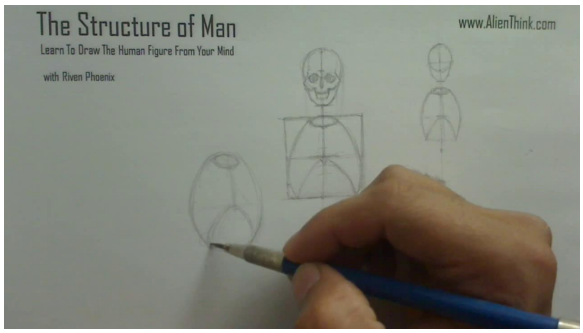
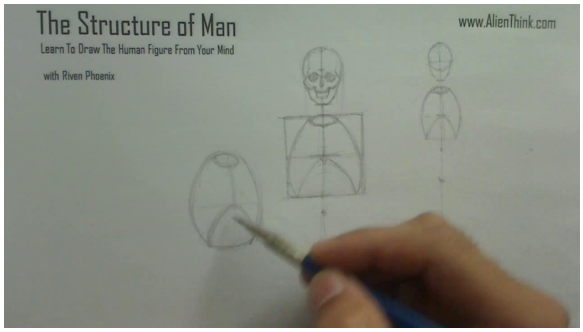
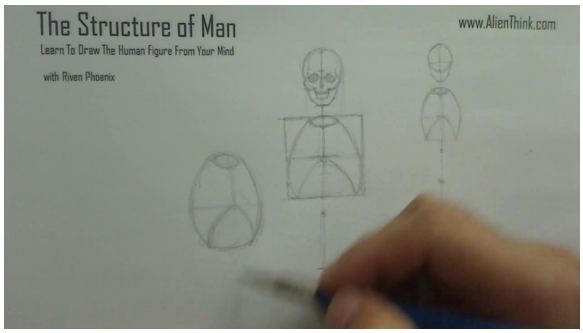
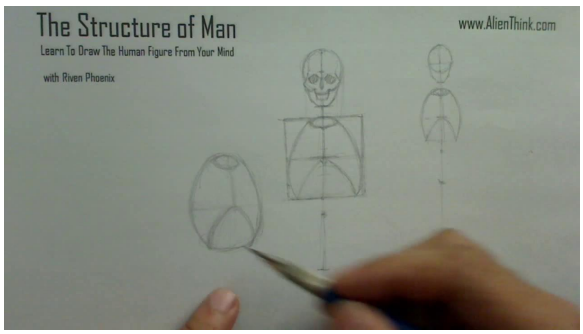
189		view going like this in this direction, right?
190		Because when we drew this X, we knew that it has to be here, these two lines over here,
191		right?
192		So this is like a conceptual idea that I've shown you how this would have been.

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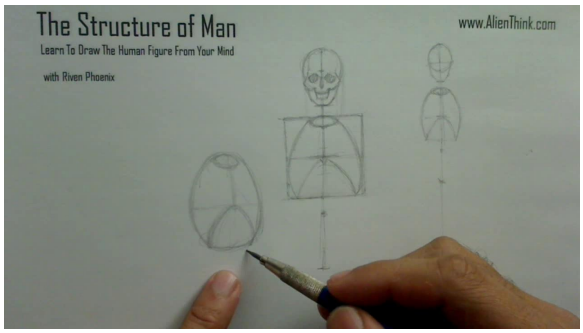
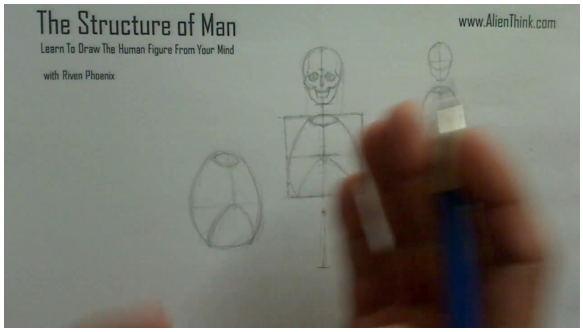
193		Okay, so in the next lesson, we'll look at the side formulas of the chest cavity and
194		begin to understand how this would change the concept over here for our toolkit.

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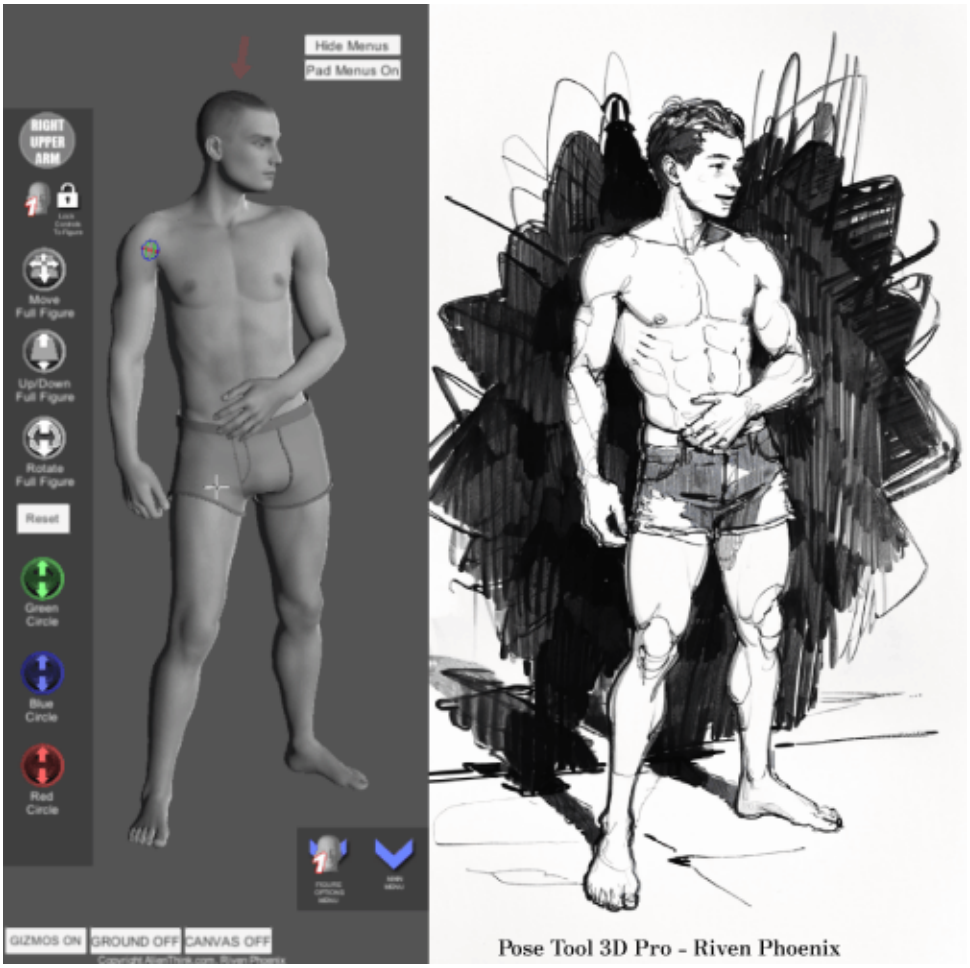

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